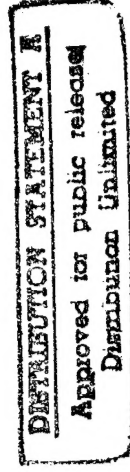


DEPARTMENT OF THE NAVY  
FY 1997 BUDGET ESTIMATES

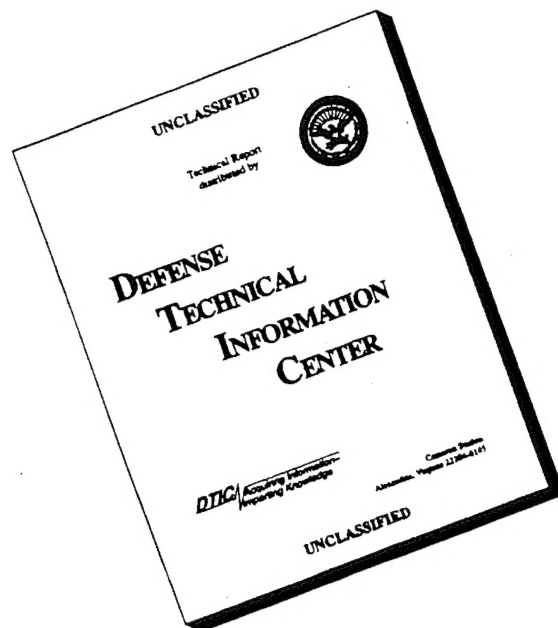


19960508 106

MARCH 1996

PROCUREMENT, MARINE CORPS  
BUDGET ACTIVITY 4  
COMMUNICATIONS AND ELECTRONICS EQUIPMENT

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DEPARTMENT OF THE NAVY  
FY 1997 PROCUREMENT PROGRAM  
(\$ IN MILLIONS)

DATE: MARCH 1996

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS

EXHIBIT P-1

P-1 LINE #	BUDGET LINE #	NOMENCLATURE	IDENT CODE	FY 1995 AMOUNT	FY 1996 AMOUNT	FY 1997 AMOUNT
	BA 1	AMMUNITION		133.2	188.9	68.9
	BA 2	WEAPONS & TRACKED COMBAT VEHICLES		41.2	52.0	24.5
	BA 3	GUIDED MISSILES & EQUIPMENT		41.2	24.2	43.4
	BA 4	COMMUNICATIONS & ELECTRONICS EQUIPMENT		186.5	218.7	315.4
	BA 5	SUPPORT VEHICLES		31.1	22.8	14.0
	BA 6	ENGINEER & OTHER EQUIPMENT		75.2	81.3	46.6
	BA 7	SPARES & REPAIR PARTS		31.0	50.9	42.7
		TOTAL PMC APPROPRIATION		539.4	638.8	555.5

NOTE: FOR FY 1995 AND FY 1996, BA1 AMMUNITION APPROPRIATED IN PROCUREMENT OF AMMUNITION, NAVY/MARINE CORPS

DEPARTMENT OF THE NAVY  
FY 1997 PROCUREMENT PROGRAM  
(\$ IN MILLIONS)

DATE: MARCH 1996

EXHIBIT P-1R

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS

P-1 LINE #	BUDGET LINE #	NOMENCLATURE	IDENT CODE	FY 1995 AMOUNT	FY 1996 AMOUNT	FY 1997 AMOUNT
	BA 1	AMMUNITION		2.1	1.4	2.3
	BA 2	WEAPONS & TRACKED COMBAT VEHICLES		2.2	14.2	4.5
	BA 3	GUIDED MISSILES & EQUIPMENT		18.0	4.9	0.9
	BA 4	COMMUNICATIONS & ELECTRONICS EQUIPMENT		23.4	8.8	58.9
	BA 5	SUPPORT VEHICLES		0.2	0.8	0.0
	BA 6	ENGINEER & OTHER EQUIPMENT		0.5	8.2	2.6
	BA 7	SPARES & REPAIR PARTS		0.1	0.2	0.2
TOTAL PMC APPROPRIATION				46.5	38.5	69.4

NOTE: FOR FY 1995 AND FY 1996, BA1 AMMUNITION APPROPRIATED IN PROCUREMENT OF AMMUNITION, NAVY/MARINE CORPS

DEPARTMENT OF THE NAVY  
FY 1997 PROCUREMENT PROGRAM  
(\$ IN MILLIONS)

DATE: MARCH 1996

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS

EXHIBIT P-1

P-1 LINE #	BUDGET LINE #	NOMENCLATURE	IDENT CODE	FY 1995 AMOUNT	FY 1996 AMOUNT	FY 1997 AMOUNT
BUDGET ACTIVITY 4 - COMMUNICATIONS & ELECTRONICS EQUIPMENT						
26	402700	MANPACK RADIOS & EQUIPMENT		0.001	14.1	0.0
27	414500	TSC-96 PIP FLEET SATELLITE COMMUNICATION TERMINAL		0.5	0.0	0.0
28	421300	JTIDS INTG		5.0	6.9	0.0
29	440200	AUTO TEST EQUIP		2.1	12.0	12.2
30	442900	GENERAL PURPOSE ELECTRONIC TEST EQUIPMENT		3.7	6.1	8.6
31	451000	SINGARS RADIO SYSTEM		65.8	47.0	0.0
32	455500	MODIFICATION KITS (TEL)		1.1	1.1	0.0
33	456700	ITEMS LESS THAN \$2 MILLION (TEL)		2.2	1.4	0.0
34	458800	POSITION LOCATION REPORTING SYSTEM (PLRS)		0.001	0.0	0.0
35	459400	TACTICAL AIR OPERATIONS MODULE (TAOM)		3.7	2.4	0.0
36	459700	ADVANCED TACTICAL AIR COMMAND CENTRAL (ATACC)		0.0	9.1	0.0
37	461000	MARINE TACTICAL COMMAND AND CONTROL SYSTEM (MTACCS)		8.0	0.0	0.0
38	461100	ADVANCE FIELD ARTILLERY TACTICAL DATA SYSTEM (MAFATDS)		5.3	11.9	0.0
39	461300	TACTICAL COMBAT OPERATIONS		0.0	10.8	0.0
40	468300	AN/TQ-36 FIREFINDER RADAR UPGRADES		0.0	0.0	30.4
41	474400	METEOROLOGICAL SYSTEMS		9.4	0.0	0.0
42	474700	INTELLIGENCE SUPPORT EQUIPMENT		14.4	44.3	26.4
43	474900	MODIFICATION KITS (INTEL)		0.1	0.9	12.0
44	475100	ITEMS LESS THAN \$2 MILLION (INTEL)		1.0	1.7	0.0
45	481000	ELECTRONIC TMDE REPAIR FACILITY		0.7	0.0	0.0
46	483700	GENERAL PURPOSE MECHANICAL TMDE		1.0	3.0	3.0
47	493000	NIGHT VISION EQUIPMENT		39.3	7.1	17.2
48	494200	ADP EQUIPMENT		16.5	23.0	0.0
49	463100	COMMAND POST SYSTEMS		0.0	0.0	11.4
50	463200	MANEUVER C2 SYSTEMS		0.0	0.0	7.6
51	463300	RADIO SYSTEMS		0.0	0.0	52.9
52	463400	COMMUNICATIONS SWITCHING & CONTROL SYSTEMS		0.0	0.0	16.9

04/03/96

UNCLASSIFIED

DEPARTMENT OF THE NAVY  
FY 1997 PROCUREMENT PROGRAM  
(\$ IN MILLIONS)

DATE: MARCH 1996

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS

EXHIBIT P-1

P-1 LINE #	BUDGET LINE #	NOMENCLATURE	IDENT CODE	FY 1995 AMOUNT	FY 1996 AMOUNT	FY 1997 AMOUNT
53	463500	TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT		0.0	0.0	53.6
54	463600	MODIFICATION KITS MAGTF C4I		0.0	0.0	43.4
55	463700	ITEMS < \$2M MAGTF C4I		0.0	0.0	0.3
56	463800	MODIFICATION KITS (OTHER)		0.0	0.0	4.1
57	463900	ITEMS < \$2M (OTHER)		0.0	0.0	2.6
58	464000	AIR OPERATIONS C2 SYSTEMS		0.0	0.0	5.3
59	494000	MARINE ENHANCEMENT PROGRAM		0.0	3.3	7.7
60	495700	TEST, CALIBRATION & MAINTENANCE SUPPORT		1.5	0.0	0.0
61	496900	MODIFICATION KITS (NONTTEL)		5.1	9.1	0.0
62	498400	ITEMS LESS THAN \$2 MILLION (NONTTEL)		0.0	3.4	0.0
*** BUDGET ACTIVITY 4 TOTAL ***				186.5	218.7	315.4

DEPARTMENT OF THE NAVY  
FY 1997 PROCUREMENT PROGRAM  
(\$ IN MILLIONS)

DATE: MARCH 1996

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS

EXHIBIT P-1R

P-1 LINE #	BUDGET LINE #	NOMENCLATURE	IDENT CODE	FY 1995 AMOUNT	FY 1996 AMOUNT	FY 1997 AMOUNT
BUDGET ACTIVITY 4 - COMMUNICATIONS & ELECTRONICS EQUIPMENT						
26	402700	MANPACK RADIOS & EQUIPMENT		0.000	0.7	0.0
28	421300	JTIDS INTG		1.0	0.6	0.0
29	440200	AUTO TEST EQUIP		0.0	0.0	3.5
30	442900	GENERAL PURPOSE ELECTRONIC TEST EQUIPMENT		0.8	0.6	2.3
36	459700	ADVANCED TACTICAL AIR COMMAND CENTRAL (ATACC)		0.0	2.3	0.0
38	461100	ADVANCE FIELD ARTILLERY TACTICAL DATA SYSTEM (MAFATDS)		1.7	2.8	0.0
40	468300	AN/TPQ-36 FIREFINDER RADAR UPGRADES		0.0	0.0	6.8
41	474400	METEOROLOGICAL SYSTEMS		2.0	0.0	0.0
42	474700	INTELLIGENCE SUPPORT EQUIPMENT (TRSS)		4.5	0.0	0.0
46	483700	GENERAL PURPOSE MECHANICAL TMDE		0.0	0.3	0.6
47	493000	NIGHT VISION EQUIPMENT		13.2	0.0	0.0
50	463200	MANEUVER C2 SYSTEMS		0.0	0.0	0.6
51	463300	RADIO SYSTEMS (SINCGARS)		0.0	0.0	30.8
52	463400	COMMUNICATIONS SWITCHING & CONTROL SYSTEMS (ULCS)		0.0	0.0	2.2
54	463600	MODIFICATION KITS MAGTF C4I		0.0	0.0	10.7
59	494000	MARINE ENHANCEMENT PROGRAM		0.0	0.0	1.5
61	496900	MODIFICATION KITS (NONTTEL)		0.2	1.4	0.0
*** BUDGET ACTIVITY 4 TOTAL ***				23.5	8.8	59.1

Procurement, Marine Corps  
Program and Financing (in Thousands of dollars)

00 MAR 96

Identification code	17-1109-0-1-051	Budget Plan (amounts for PROCUREMENT actions programmed)				Obligations	
		1995 actual	1996 est.	1997 est.	1995 actual	1996 est.	1997 est.
Program by activities:							
Direct program:							
Ammunition							
00.0101	Weapons and combat vehicles	41,200	51,977	68,884	4,062	109,017	55,107
00.0201	Guided missiles and equipment	41,216	24,208	24,481	45,727		31,135
00.0301	Communications and electronics equipment	186,527	218,696	43,460	53,866	20,080	38,907
00.0401	Support vehicles	31,148	22,859	315,393	201,154	208,168	294,325
00.0501	Engineer and other equipment	75,160	81,325	13,972	31,838	25,198	16,164
00.0601	Spares and repair parts	30,975	50,886	46,653	70,916	88,992	53,244
00.0701				42,664	35,833	41,961	42,698
00.9101	Total direct program	406,226	449,951	555,507	443,396	493,416	531,580
01.0101	Reimbursable program	3,911	9,400	9,400	3,838	13,067	9,400
10.0001	Total	410,137	459,351	564,907	447,234	506,483	540,980
Financing:							
Offsetting collections from:							
11.0001	Federal funds(-)	-3,795	-9,400	-9,400	3,080	-9,400	-9,400
13.0001	Trust funds(-)	-116			-369		
17.0001	Recovery of prior year obligations				-17,148		
21.4002	Unobligated balance available, start of year:						
21.4003	For completion of prior year budget plans						
21.4009	Available to finance new budget plans	-6,600	-378		-190,167	-159,153	-112,021
21.4009	Reprogramming from/to prior year budget plan	-4,443			-6,600	-378	
24.4002	Unobligated balance available, end of year:						
24.4003	For completion of prior year budget plans	378			159,153	112,021	135,948
24.4003	Available to finance subsequent year budget	4,443			378		
25.0001	Unobligated balance expiring				4,443		
39.0001	Budget authority	400,004	449,573	555,507	400,004	449,573	555,507
Budget authority:							
40.0001	Appropriation	419,444	454,765	555,507	419,444	454,765	555,507
41.0001	Transferred to other accounts (-)	-20,240	-6,087		-20,240	-6,087	
42.0001	Transferred from other accounts	800	895		800	895	
43.0001	Appropriation (adjusted)	400,004	449,573	555,507	400,004	449,573	555,507

Procurement, Marine Corps  
 Program and Financing (in Thousands of dollars)  
 00 MAR 96

Identification code	17-1109-0-1-051	Budget Plan (amounts for PROCUREMENT actions programed)			Obligations		
		1995 actual	1996 est.	1997 est.	1995 actual	1996 est.	1997 est.
Relation of obligations to outlays:							
71.0001	Obligations incurred				449,945	497,083	531,580
72.4001	Obligated balance, start of year				1,036,638	851,409	820,396
74.4001	Obligated balance, end of year				-851,409	-820,396	-786,756
77.0001	Adjustments in expired accounts (net)				-20,759		
78.0001	Adjustments in unexpired accounts				-17,148		
90.0001	Outlays (net)				597,267	528,096	565,220

Procurement, Marine Corps  
Object Classification (in Thousands of dollars)

00 MAR 96

Identification code	17-1109-0-1-051	1995 actual	1996 est.	1997 est.
Direct obligations:				
125.101 Advisory and assistance services		4,636	3,101	4,552
126.001 Supplies and materials		174,721	165,328	225,883
131.001 Equipment		264,039	324,987	301,145
199.001 Total Direct obligations		443,396	493,416	531,580
Reimbursable obligations:				
231.001 Equipment		3,838	13,067	9,400
299.001 Total Reimbursable obligations		3,838	13,067	9,400
999.901 Total obligations		447,234	506,483	540,980



Comparison of FY 1995 Program Requirements as Reflected  
in the FY1996 Budget with the FY 1995 Requirements  
as shown in the FY 1997 Budget

DATE: MARCH 1996

Summary of requirements (In millions of Dollars)

NOMENCLATURE	Total Program Requirements per FY 1996 Budget	Total Program Requirements per FY 1997 Budget	Increase or decrease (-)
BA 1 AMMUNITION (PANMC)	135.3	133.2	-2.1
BA 2 WEAPONS & TRACKED COMBAT VEHICLES	30.3	41.2	10.9
BA 3 GUIDED MISSILES & EQUIPMENT	49.9	41.2	-8.7
BA 4 COMMUNICATIONS & ELECTRONICS EQUIPMENT	196.3	186.5	-9.7
BA 5 SUPPORT VEHICLES	27.8	31.1	3.3
BA 6 ENGINEER & OTHER EQUIPMENT	76.6	75.2	-1.4
BA 7 SPARES & REPAIR PARTS	37.3	31.0	-6.3
Subtotal Direct Program	553.5	539.4	-14.1
Reimbursable	9.4	3.9	-5.5
Total Fiscal Year	562.9	543.3	-19.6

UNCLASSIFIED

Comparison of FY 1995 Program requirements as Reflected  
in the FY 1996 Budget with the FY 1995 Requirements  
as shown in the FY 1997 Budget

Summary of Requirements ( In millions of Dollars)

1. Ammunition (-\$2.1)

The Rockets, All Types line in the Procurement of Ammunition Navy and Marine Corps Appropriation (PANMC) had an excess of funds and was rescinded in section 8092 Ship Cost Adjustments (-\$2.1).

2. Weapons and Tracked Combat Vehicles (\$10.9)

All changes were the result of minor execution adjustments (\$10.9).

3. Guided Missiles and Equipment (-\$8.7)

All changes were the result of minor execution adjustments (-\$8.7).

4. Communications and Electronics Equipment (-\$9.7)

Funds were reduced from the Intelligence Support Equipment and Automated Data Processing Equipment Lines as part of approval of the Omnibus reprogramming (-\$12.4). The remainder was due to minor execution adjustments (\$2.7).

5. Support Vehicles (\$3.3)

All changes were the result of minor execution adjustments (\$3.3).

6. Engineer and Other Equipment (\$1.4)

All changes were the result of minor execution adjustments (\$1.4).

7. Spares and Repair Parts (-\$6.3)

All changes were the result of minor execution adjustments (-\$6.3).

Comparison of FY 1995 Financing as Reflected  
in the FY1996 Budget with the FY 1995 Financing  
as shown in the FY 1997 Budget

Summary of requirements (In millions of Dollars)

Description	Financing per FY 1996 Budget	Financing per FY 1997 Budget
Program Requirements (Total)	562.9	543.3
(Total Direct)	(553.5)	(539.4)
(Total Reimbursable)	(9.4)	(3.9)
Less:		
Anticipated Reimbursements	(9.4)	(3.9)
Appropriation Rescinded		(14.9)
Add:		
Transferred from Other Accounts		0.8
Appropriation (Adjusted)	553.5	525.3

UNCLASSIFIED

Comparison of FY 1995 Financing as Reflected  
in the FY 1996 Budget with the FY 1995 Financing  
as shown in the FY 1997 Budget

Summary of Requirements ( In millions of Dollars)

Explanation of Changes

The decrease in program financing represents Congressional Action of the FY 1996 Presidents Budget. The following programs were affected: Rockets, All types; Intelligence Support Equipment, Automated Data Processing Equipment (ADPE), and the Drug Interdiction Program. The Rockets (-\$2.1) and ADPE Programs (-\$0.4) were reduced as a result of Congressional Action (sec 8092) (-\$2.5). The Intelligence Support Equipment (-\$9.0) and ADPE (-\$3.4) Programs were reduced due to Congressional approval of the Omnibus Reprogramming (-\$12.4). The Drug Interdiction Program received funds from the Procurement Defense-Wide Appropriation (\$0.8).

Comparison of FY 1996 Program Requirements as Reflected  
in the FY1996 Budget with the FY 1996 Requirements  
as shown in the FY 1997 Budget

DATE: MARCH 1996

Summary of requirements (in millions of Dollars)

NOMENCLATURE	Total Program Requirements per FY 1996 Budget	Total Program Requirements per FY 1997 Budget	Increase or decrease (-)
BA 1 AMMUNITION (PANMC)	110.9	188.9	78.0
BA 2 WEAPONS & TRACKED COMBAT VEHICLES	39.1	52.0	12.9
BA 3 GUIDED MISSILES & EQUIPMENT	31.0	24.2	-6.8
BA 4 COMMUNICATIONS & ELECTRONICS EQUIPMENT	166.6	218.7	52.1
BA 5 SUPPORT VEHICLES	24.1	22.9	-1.3
BA 6 ENGINEER & OTHER EQUIPMENT	50.6	81.3	30.8
BA 7 SPARES & REPAIR PARTS	52.0	50.9	-1.1
Subtotal Direct Program	474.1	638.8	164.7
Reimbursable	9.4	9.4	0.0
Total Fiscal Year	483.5	648.2	164.7

UNCLASSIFIED

Comparison of FY 1996 Program requirements as Reflected  
in the FY 1996 Budget with the FY 1996 Requirements  
as shown in the FY 1997 Budget

Summary of Requirements ( In millions of Dollars)

1. Ammunition (\$78.0)

Procurement of Ammunition Navy and Marine Corps received Congressional Increases. The following rounds received Congressional Increases: 7.62 MM, All Types; .50 Caliber, All Types; 81MM HE; 155mm Red Bag; Fuze, M762; Grenades, All Types; and Items Less than \$2 million (\$92.3). Decreases included prorated reductions for revised economic assumptions (-\$4.3) and a proposed fiscal year 1996 rescission resulted in a reduction to the 81MM HE round (-\$10.0).

2. Weapons and Tracked Combat Vehicles (\$12.9)

The Modification Kits (Tracked Vehicle) Program received a Congressional Increase (\$12.3). Revised economic assumptions reduced funds (-\$1.1) and minor execution adjustments increased funding (\$1.7).

3. Guided Missiles and Equipment (-\$6.8)

Revised economic assumptions resulting in a prorated reduction (-\$0.5). The remainder was due to minor execution adjustments (-\$6.3).

4. Communications and Electronics Equipment (\$52.1)

Communications and Electronics Equipment received Congressional Increases (\$38.0). Additionally, revised economic assumptions reduced funding (-\$4.5) and a fair share distribution of a Congressional ADP adjustment also reduced funds (-\$0.2). The remainder was due to minor execution adjustments (\$18.5).

5. Support Vehicles (-\$1.3)

The Trailer Program received Congressional Increases (\$5.5). Also, revised economic assumptions reduced funding (-\$0.6). The remainder was due to minor execution adjustments (\$6.2).

6. Engineer and Other Equipment (\$30.8)

The Training Devices Program received Congressional Increases (\$38.6). Also, revised economic assumptions resulted in prorated reductions (-\$1.8) and a transfer from O&M, MC increased funding for expense/investment limitations (\$0.9). The remainder was due to minor execution adjustments (-\$6.9).

7. Spares and Repair Parts (-\$1.1) Revised economic assumptions reduced funding for Spares and Repair parts (-\$1.1).

Comparison of FY 1996 Financing as Reflected  
in the FY1996 Budget with the FY 1996 Financing  
as shown in the FY 1997 Budget

Summary of requirements (In millions of Dollars)

Description	Financing per FY 1996 Budget	Financing per FY 1997 Budget
Program Requirements (Total) (Total Direct) (Total Reimbursable)	474.1 (464.7) (9.4)	648.2 (638.8) (9.4)
Less: Anticipated Reimbursements Appropriation Rescinded	(9.4)	(9.4)
Add: Transferred from Other Accounts		0.9
Appropriation (Adjusted)	464.7	639.7

UNCLASSIFIED

Comparison of FY 1996 Financing as Reflected  
in the FY 1996 Budget with the FY 1996 Financing  
as shown in the FY 1997 Budget

Summary of Requirements ( In millions of Dollars)

Explanation of Changes

The increase in program financing represents Congressional Action of the FY 1996 President's Budget. Congressional Increases to high priority Marine Corps Programs resulted in increases totaling \$188.0 million.

Additionally, other Congressional Action of the FY 1996 President's Budget had the following impacts: the Automated Data Processing Equipment Program was reduced due to Section 8101 of the fiscal year 1996 DoD appropriations Act (-\$0.2). The Command Support Equipment Program had funds transferred from O&MMC due to expense investment threshold limitations (\$0.9). Reductions totaling \$14.0 million were prorated against all procurement programs due to section 8125 revised economic assumptions (-\$14.0).

Lastly, the 81 MM HE Round was partially recommended for rescission (-\$10.0).



## BUDGET ITEM JUSTIFICATION SHEET

DATE

APPROPRIATION/BUDGET ACTIVITY:

P-1 ITEM NOMENCLATURE:

PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY

4

MANPACK RADIOS AND EQUIPMENT

RCN: 041311

QUANTITY	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
		0	0	0	0	0	0
COST (IN MILLIONS)	0.001 \$	14.1 \$	0.0 \$	0.0 \$	0.0 \$	0.0 \$	0.0 \$

The AN/PSC-5 is a lightweight, manportable UHF satellite communications (SATCOM) terminal that will provide long-range single channel communications. The AN/PSC-5 incorporates the Demand Assigned Multiple Access (DAMA) protocol mandated by the Joint Chiefs of Staff; non-DAMA will not be allowed to communicate by satellite after 30 Sep 96. The AN/PSC-5 provides embedded Communications Security (COMSEC) and encrypted voice and data capabilities, ensuring multi-service interoperability with most existing and planned communications systems. In addition to voice and data, the AN/PSC-5 interfaces with facsimile, teletype, NET radio Interface (NRI), and Frequency Modulation FM retransmission media, such as SINGGARS.

ACQUISITION OBJECTIVE: 645

FY 93: 80 = 12% OF AO

FY 96: 520 = 81% OF AO

FY 97 PROCUREMENT IN BLI 463300

FY 95 FUNDING WAS TO HOLD THE LINE OPEN.

BLI NR. 402700

P-1 SHOPPING LIST  
ITEM NO. 26 - 1  
PAGE NO. 1

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME AN/PSC-5 ENHANCED MANPACK UHF TERMINAL (EMUT) (RCN: 041311)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION MAGNAVOX, RICHARDSON, TEXAS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST		
AN/PSC-5 (EMUT)	A0917			31,004	440		13642		
FY95 FUNDING IS TO HOLD THE LINE OPEN									
SPECIAL TEST EQUIP			1				283		
MOUNTS/PWR ADAPTERS				8,958	16		143		
FACTORY TRAINING							64		
INITIAL SPARES									
							(67)		
TOTAL ACTIVE COST			(1)				(13432)		
TOTAL RESERVE COST			(0)				(700)		
TOTAL COST			1				14132		0
BLI NR. 402700		P-1 SHOPPING LIST		ITEM NO. 26		PAGE NO. 2		EXHIBIT P-5	

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										P-1 ITEM NOMENCLATURE: AN/PSC-5 ENHANCED MANPACK UHF TERMINAL (EMUT) RCN: 41331
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REV RORD	IF YES WHEN AVAIL
AN/PSC-5 FY 96 VEHICLE MOUNTS W/PWR ADAPTERS	MAGNAVOX RICHARDSON, TX	C/FFP/O	CECOM	APR 96	SEP 98	440	31,004	Y	N	
FY 96	ROCKWELL	C/FFP/O	MARCOR	APR 96	SEP 97	16	8,958	Y	N	
REMARKS:										

BLI NR. 402700	P-1 SHOPPING LIST	EXHIBIT P-5A
ITEM NO. 26	PAGE NO. 3	

*CODE B* ITEM DESCRIPTION		DATE				
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 4		AN/PSC-5 ENHANCED MANPACK UHF TERMINAL (EMUT) RCN: 041311				
1. CURRENT DEVELOPMENT AND TEST STATUS						
a. Developmental Test & Evaluation (DT&E) Plan/Actual		NDI				
b. Initial Operational Test & Evaluation (IOT&E) Plan/Actual		MAR 95				
c. Operational Test & Evaluation (OT&E) Plan/Actual		OCT 92				
d. Available Date of Technical Data Package (TDP) Plan/Actual or Performance Specifications		S/W INTEGRATION				
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: MAR 96						
3. EQUIPMENT ITEM(S) TO BE REPLACED: AN/PSC-3, LST-5C, AN/MRC-140						
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED: The AN/PSC-5 will have DAMA protocol capability required for satellite access after 30 sep 96, improved COMSEC, reliability, and portability.						
5. DEVELOPMENT CONTRACT INFORMATION (RDT&E Funding Profile - \$ in Millions)						
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THROUGH PY (FY1994)	CY (FY1995)	BY (FY1996)	BEYOND BY
			\$	\$	\$	\$
			\$	\$	\$	\$
			\$	\$	\$	\$
			\$	\$	\$	\$
			\$	\$	\$	\$
TOTAL RDT&E FUNDING			\$	0	\$	0
REMARKS: *ASU WILL BE BASED ON 1ST ARTICLE TEST COMPLETED IN MAR 95.						
** AUTHORIZES THE INITIAL MATERIAL RELEASE OF THE RADIOS.						
BLI NR. 402700		P-1 SHOPPING LIST		EXHIBIT P-19		
ITEM NO. 26		PAGE NO. 4				

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: PSC-5

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 92  
DEPOT MAINTENANCE FLOAT: 118  
TOTAL: 210

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 151  
II MARINE EXPEDITIONARY FORCE: 151  
III MARINE EXPEDITIONARY FORCE: 109  
SELECTED MARINE CORPS RESERVE: 22  
SUPPORT ESTABLISHMENT: 2  
NORWAY AIR LANDED BRIGADE: 0  
TOTAL: 435

APPROVED ACQUISITION OBJECTIVE

645

26-5

TAMCN/DODIC: ACQUISITION OBJECTIVE:		A0917 645	ITEM NAME: RCN:		AN/PSC-5 ENHANCE MANPACK UNF TERMINAL 41311	
ENDING INVENTORY 30 SEP 1993			FY 1994	FY 1995	FY 1996	FY 1997
GAINS:						
*FY BUDGET					440	
*OTHER			0	0	440	0
TOTAL						
LOSSES:						
*COMBAT USMC						
*COMBAT ALLIES						
*PEACETIME						
*WASHOUT						
*SALES						
*OTHER			0	0	0	0
TOTAL			0	0	440	0
NET CHANGE (+/-)						
ASSET POSITION:						
*STD SERVICEABLE		80	80	80	520	
*STD UNSERVICEABLE						
*SUB SERVICEABLE						
*SUB UNSERVICEABLE						
TOTAL		80	80	80	520	0
\$M VALUE		\$ 3.0	\$ 3.0	\$ 3.0	\$ 17.2	\$
% A/O ON HAND/FUNDED		12 %	12 %	12 %	81 %	0 %
COMMENTS:			FY 1996 RECOMMENDED BUY - QUANTITY: 440			
FY 97 AND BEYOND MOVES TO BLI 463300, RADIO SYSTEMS.			FY 1996 RECOMMENDED BUY - QUANTITY: 14.2 M			
			FY 1997 RECOMMENDED BUY - QUANTITY: M			
			FY 1997 RECOMMENDED BUY - QUANTITY: M			
BLI NR. 402700			EXHIBIT P-20A			
P-1 SHOPPING LIST			PAGE NO. 26			

EXHIBIT P-21





BUDGET ITEM JUSTIFICATION SHEET										DATE	
APPROPRIATION/BUDGET ACTIVITY:										AN/TSC-96A SATELLITE COMMUNICATIONS CENTRAL	
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										RCN: 140132	
4											
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001			
		1	0	0	0	0	0	0			
COST (IN MILLIONS)	\$	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
<p>The AN/TSC-96A is an Ultra-High Frequency (UHF) Satellite Communications Central used at the Marine Expeditionary Force, Wing, Division, and Force Service Support Group Headquarters which provides record message traffic and secure voice communications out of and within the Amphibious Objective Area and within the Naval Telecommunications System. It receives the Fleet Broadcast subsystem and provides access to the Navy's Common User Digital Information Exchange Subsystem (CUDIXS) and the Fleet Secure Voice Communications Network on a world-wide, terrain independent basis. It provides standard termination in the Defense Communications System. This program will replace Secure Voice with Advanced Narrowband Digital Voice Terminal (ANDVT), upgrade Communication Security equipment and add Demand Assigned Multiple Access (DAMA) to CUDIXS -- all required for interoperability. Also, it will replace the current computer system with one that adds increased data processing and data storage capability and supportability, add a PC computer LAN for message distribution and refit the current two shelter configuration into a single, improved S-280c/G shelter.</p> <p>This item is Code A.</p> <p>The Acquisition Objective is 10. MOD</p> <p>FY94 and prior: 9 90% of A/O AN/TSC-96A NAWC(AD), ST INIGOES, MD BEGIN: FEB 96 10 100% of A/O END: AUG 96</p> <p>Models of Systems Affected: AN/TSC-96A</p> <p>Modification Title: FY 95 FY 96 FY 97</p> <p>AN/TSC-96A 0.534 0 0</p> <p>TOTAL 0.534 0 0</p> <p>INSTALLATION AGENCY INSTALLATION END ITEM</p>											

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME AN/TSC-96A SATELLITE COMMUNICATIONS CENTRAL (RCN: 140132)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION NAWC(AD) --ST. INIGOE, MD		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995		FY 1996		FY 1997			
		UNIT COST	QTY TOTAL COST	UNIT COST	QTY TOTAL COST	UNIT COST	QTY TOTAL COST		
AN/TSC-96A	A	315,418	1 315						
INSTALLATION COSTS									
SPECIAL TEST EQUIPMENT									
INTEGRATED LOGISTICS SPT									
Initial Spares			(82)				(213)		(281)
BLI NR. 414500		P-1 SHOPPING LIST ITEM NO. 27		534		0		0	

EXHIBIT P-5

PAGE NO. 2

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										P-1 ITEM NOMENCLATURE:
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										AN/TSC-96A SATELLITE COMMUNICATIONS CENTRAL
										RCN: 140132
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQRD	IF YES WHEN AVAIL
AN/TSC-96A FY 95	NAWC(AD) St. Inigoes, MD	PO	MarCorSysCo	OCT 95	AUG 96	1	\$315,418	YES	NO	N/A
REMARKS:										

BLI NR. 414500

P-1 SHOPPING LIST  
ITEM NO. 27  
PAGE NO. 3

EXHIBIT P-5A

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: AN/TSC-96A

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 0  
DEPOT MAINTENANCE FLOAT: 0  
TOTAL: 0

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 3  
II MARINE EXPEDITIONARY FORCE: 3  
III MARINE EXPEDITIONARY FORCE: 3  
SELECTED MARINE CORPS RESERVE: 0  
SUPPORT ESTABLISHMENT: 1  
NORWAY AIR LANDED BRIGADE: 0  
TOTAL: 10

APPROVED ACQUISITION OBJECTIVE

10

27.4

ASSET DYNAMICS		DATE:																																																																																																																									
ITEM NAME:		AN/TSC-96A SATELLITE COMMUNICATIONS CENTRAL																																																																																																																									
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ACQUISITION OBJECTIVE:	10																																																																																																																										
<table border="1"> <thead> <tr> <th></th> <th>FY 1994</th> <th>FY 1995</th> <th>FY 1996</th> <th>FY 1997</th> </tr> </thead> <tbody> <tr> <td>ENDING INVENTORY</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>30 SEP 1993</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>GAINS:</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*FY BUDGET</td> <td>4</td> <td>1</td> <td></td> <td></td> </tr> <tr> <td>*OTHER</td> <td>0</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>TOTAL</td> <td>4</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td>LOSSES:</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*COMBAT USMC</td> <td>0</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>*COMBAT ALLIES</td> <td>0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>*PEACETIME</td> <td>0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>*WASHOUT</td> <td>0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>*SALES</td> <td>0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>*OTHER</td> <td>0</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>TOTAL</td> <td>0</td> <td>0</td> <td></td> <td>0</td> </tr> <tr> <td>NET CHANGE (+/-)</td> <td>4</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td>ASSET POSITION:</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*STD SERVICEABLE</td> <td>5</td> <td>10</td> <td>10</td> <td>10</td> </tr> <tr> <td>*STD UNSERVICEABLE</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*SUB SERVICEABLE</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*SUB UNSERVICEABLE</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TOTAL</td> <td>5</td> <td>10</td> <td>10</td> <td>10</td> </tr> <tr> <td>\$M VALUE</td> <td>\$2.0</td> <td>\$3.7</td> <td>\$4.2</td> <td>\$4.2</td> </tr> <tr> <td>% A/O ON HAND/FUNDED</td> <td>50 %</td> <td>90 %</td> <td>100 %</td> <td>100 %</td> </tr> </tbody> </table>					FY 1994	FY 1995	FY 1996	FY 1997	ENDING INVENTORY					30 SEP 1993					GAINS:					*FY BUDGET	4	1			*OTHER	0	0			TOTAL	4	1	0	0	LOSSES:					*COMBAT USMC	0	0			*COMBAT ALLIES	0				*PEACETIME	0				*WASHOUT	0				*SALES	0				*OTHER	0	0			TOTAL	0	0		0	NET CHANGE (+/-)	4	1	0	0	ASSET POSITION:					*STD SERVICEABLE	5	10	10	10	*STD UNSERVICEABLE					*SUB SERVICEABLE					*SUB UNSERVICEABLE					TOTAL	5	10	10	10	\$M VALUE	\$2.0	\$3.7	\$4.2	\$4.2	% A/O ON HAND/FUNDED	50 %	90 %	100 %	100 %
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BLI NR. 414500		P-1 SHOPPING LIST																																																																																																																									
ITEM NO. 27		PAGE NO. 5																																																																																																																									
		EXHIBIT P-20A																																																																																																																									

# INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AN/TSC-96A SATELLITE COMMUNICATIONS CENTRAL

MODELS OF SYSTEMS AFFECTED: AN/TSC-96A SATELLITE COMMUNICATIONS CENTRAL

## DESCRIPTION/JUSTIFICATION:

The AN/TSC-96A will complete the JCS-mandated DAMA modification to the system, add the capability to interface with the MSC-63A's TCC/SSCC, provide interface with a LAN, upgrade all computer and security equipment, and reduce the system configuration from two shelters to a single S-280C/G shelter.

## DEVELOPMENTAL STATUS/

### MAJOR DEVELOPMENT MILESTONES:

Single shelter configuration is in full scale development. Integration of new/existing equipment continues.

## FINANCIAL PLAN: (\$ in Millions)

### RDT&E

### PROCUREMENT

Kit Quantity  
Installation Kits  
Install. Kits Nonrecurring  
Equipment  
Equipment Nonrecurring  
Engineering Change Orders  
Data  
Training Support  
Support Equipment  
Other  
Interim Contractor Support

	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$
1								1
	0.315							0.315
	0.089							0.089
	0.083							0.000
								0.083

EXHIBIT P-3A INDIVIDUAL MODIFICATION

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FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COME	TOTAL
QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY
1	0.047						1
							0.047

INSTALLATION OF HARDWARE

(FY 1995) Exp ( 1 Kits)  
 (FY 1996) Exp ( Kits)  
 (FY 1997) Exp ( Kits)  
 (FY 1998) Exp ( Kits)  
 (FY 1999) Exp ( Kits)  
 (FY 2000) Exp ( Kits)  
 (TO COMP) Exp ( Kits)

TOTAL INSTALLATION COST

1 0.047

1 0.047

TOTAL PROCUREMENT COST

0.534

0.534

METHOD OF IMPLEMENTATION:

ADMIN LEAD-TIME: MONTHS

PRODUCTION LEAD-TIME: MONTHS

CONTRACT DATES:

FY 1996 FY 1997

DELIVERY DATES:

FY 1996 FY 1997

INSTALLING SCHEDULE:

FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TOTAL
1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4

INPUT

1

OUTPUT

1

EXHIBIT P-3A INDIVIDUAL MODIFICATION

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P-1 SHOPPING LIST

ITEM NO.

27

PAGE NO.

8



BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM								
		RCN: 041693								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
		0	0	0	0	0	0	0	0	
COST (IN MILLIONS)	\$	5.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	
<p>THIS IS A ROLL-UP LINE FOR THE JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS).</p> <p>THE JTIDS TERMINAL PROVIDES A HIGH-CAPACITY, JAM RESISTANT, SECURE, DIGITAL COMMUNICATIONS CAPABILITY FOR THE TACTICAL COMMAND AND CONTROL (C2) PLATFORMS.</p> <p>THIS PROJECT PROCURES JTIDS CLASS 2/2H TERMINALS FOR THE FOLLOWING USMC HOST PLATFORMS: TACTICAL AIR OPERATIONS MODULE (TAOM), ADVANCED TACTICAL AIR COMMAND CENTRAL (ATACC), AND AIR DEFENSE COMMUNICATIONS PLATFORM (ADCP). THIS PROJECT ALSO PROCURES HARDWARE (INCLUDING GOVERNMENT FURNISHED PROPERTY (GFP)) REQUIRED TO INTEGRATE THE JTIDS CAPABILITY INTO THE TAOM AND THE ATACC.</p> <p>ACQUISITION OBJECTIVE (A/O): CLASS 2 TERMINALS = 25</p> <p>FY 95: 9 = 36% OF AO  FY 96: 19 = 76% OF AO (INCLUDES 2 PRODUCTION UPGRADE KITS)  FY 97: 24 = 96% OF AO (INCLUDES 3 PRODUCTION UPGRADE KITS)  FY98-01: 25 = 100% OF AO (INCLUDES 1 PRODUCTION UPGRADE KIT)</p> <p>FY 97-01 PROCUREMENT IN BLI 463200.</p>										

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME JOINT TACTICAL INTERFACE DISTRIBUTION SYSTEM (JTIDS) RCN: 041693		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	FY 1995 QTY TOTAL COST	FY 1996 UNIT COST	FY 1996 QTY TOTAL COST	FY 1997 UNIT COST	FY 1997 QTY TOTAL COST		
JTIDS CLASS 2 TERMINAL	A	520,540	9 4,685	566,000	8 4,528				
HIGH POWER AMPLIFIER GROUP (HPAG)				515,000	2 1,030				
PRODUCTION UPGRADE KIT FOR FSD TERMINAL				299,988	2 600				
CENTRAL SOFTWARE SUPPORT ACTIVITY/INTERMEDIATE SOFTWARE SUPPORT ACTIVITY			274		366				
SUPPORT COSTS					341				
Active Component Reserve Component			(3918) (1041)		(6299) (566)				
Initial Spares					(702)				
TOTAL COST			4959		6865				
BLI NR. 421300		P-1 SHOPPING LIST		ITEM NO. PAGE NO.		28 - 2		EXHIBIT P-5	

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:				P-1 ITEM NOMENCLATURE:						
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY				JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)						
				RCN: 041693						
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RORD	IF YES WHEN AVAIL
JTIDS CLASS 2 TERMINAL										
FY 95	GEC-MARCONI-TOTOWA FFP NJ/ROCKWELL-COLLINS CEDAR RAPIDS IA	FFP	USAF, ESC HANSKOM	JUN 95	JUN 97	9	520,540	YES	NO	N/A
FY 96	GEC-MARCONI-TOTOWA FFP NJ/ROCKWELL-COLLINS CEDAR RAPIDS IA	FFP	USAF, ESC HANSKOM	JUL 96	JUL 98	8	566,000	YES	NO	N/A
HIGH POWER AMPLIFIER GROUP (HPAG)										
FY 96	GEC-MARCONI-TOTOWA FFP NJ/ROCKWELL-COLLINS CEDAR RAPIDS IA	FFP	USAF, ESC HANSKOM	APR 96	APR 98	2	515,000	YES	NO	N/A
PRODUCTION UPGRADE FOR FSD TERMINAL (CLASS 2)										
FY 96	GEC-MARCONI-TOTOWA FFP NJ/ROCKWELL-COLLINS CEDAR RAPIDS IA	FFP	USAF, ESC HANSKOM	JUL 96	JUL 98	2	299,988	YES	NO	N/A
REMARKS:										

EXHIBIT P-5A

P-1 SHOPPING LIST  
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PAGE NO. 3

BLI NR. 421300

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 0  
DEPOT MAINTENANCE FLOAT: 3  
TOTAL: 3

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 4  
II MARINE EXPEDITIONARY FORCE: 4  
III MARINE EXPEDITIONARY FORCE: 4  
SELECTED MARINE CORPS RESERVE: 4  
SUPPORT ESTABLISHMENT: 6  
NORWAY AIR LANDED BRIGADE: 0  
TOTAL: 22

APPROVED ACQUISITION OBJECTIVE

25

28.4

ASSET DYNAMICS		DATE:																																																																																																																																										
ITEM NAME: JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM																																																																																																																																												
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P-1 SHOPPING LIST

ITEM NO.

28

PAGE NO.

8



BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		AUTOMATIC TEST EQUIPMENT								
		RCN: 044197								
QUANTITY	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001			
		12	41	72	74	0	0			
COST (IN MILLIONS)	\$	2.1 \$	12.0 \$	12.2 \$	21.8 \$	22.9 \$	0.0 \$	0.0		
<p>Automatic Test Equipment is used to Troubleshoot Line Replaceable Units (LRU) and Circuit Assemblies (CCA Weapon Systems. It consists of both hardware and software, portable and semi-portable equipment. This is a Roll-UP LINE:</p> <p>AN/USM-657</p> <p>THIRD ECHELON TEST SET AO = 237</p> <p>SYSTEM ACQUISITION</p> <p>FY 1996 12 = 5% OF AO</p> <p>FY 1997 53 = 22% OF AO</p> <p>FY 1998 124 = 52% OF AO</p> <p>FY 1999 198 = 84% OF AO</p> <p>FY 1996 UNIT COST: \$298,178</p> <p>THIS ITEM IS CODE "B"</p>										

EXHIBIT P-40

P-1 SHOPPING LIST  
ITEM NO. 29 - 1  
PAGE NO. 1

BLI NR. 440200

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 04		B. WEAPON MODEL/SERIES/POPULAR NAME AUTOMATIC TEST EQUIPMENT (RCN 044197)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION GENRAD, CONCORD, MA		D. DATE	
WEAPON SYSTEM COST ELEMENTS		IDENT. CODE		FY 1995		FY 1996		FY 1997	
				UNIT COST	QTY TOTAL COST	UNIT COST	QTY TOTAL COST	UNIT COST	QTY TOTAL COST
AN/USM-631 TESTHEADS		A			2,119				
INTERIM SUPPORT									
SPECIAL TEST EQUIPMENT									
PRODUCTION SUPPORT									
AN/USM-657 THIRD									
ECHELON TEST SET									
SYSTEM ACQUISITION		B		553,583	12	294,293	41	12,066	
SPECIAL TEST EQUIPMENT									
OTHER SUPPORT									
FACTORY TRAINING									
TRAVEL									
ILS									
(ACTIVE COMPONENT)					(2119)		(11,960)	(8,642)	
(RESERVE COMPONENT)					(0)		(0)	(3,532)	
TOTAL					2,119		11,960	12,174	
BLI NR. 440200				P-1 SHOPPING LIST				EXHIBIT P-5	
				ITEM NO.		PAGE NO.			
				29		2			

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										
P-1 ITEM NOMENCLATURE:										
AUTOMATIC TEST EQUIPMENT										
RCN: 044197										
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQRD	IF YES WHEN AVAIL
AN/USM-657 THIRD ECHELON TEST SET FY 1996 FY 1997	UNKNOWN UNKNOWN	C/FFP C/OPTION	MCSC MCSC	JUN 96 NOV 96	OCT 96 JAN 97	12 41	553,583 294,293	YES YES	NO NO	
REMARKS:										

APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:		DATE		
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		AUTOMATIC TEST EQUIPMENT (AN/USM-657)		RCN: 044197		
1. CURRENT DEVELOPMENT AND TEST STATUS						
a. Developmental Test & Evaluation (DT&E)		PLAN/ACTUAL				
b. Initial Operational Test & Evaluation (IOT&E)		PLAN/ACTUAL				
c. Operational Test & Evaluation (OT&E)		PLAN/ACTUAL				
d. Available Date of Technical Data Package (TDP)		PLAN/ACTUAL				
or Performance Specifications						
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:		MARCH 1996				
3. EQUIPMENT ITEM(S) TO BE REPLACED:		N/A				
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:						
"CODE B" ITEM DESCRIPTION						
5. DEVELOPMENT CONTRACT INFORMATION (RDT&E Funding Profile - \$ in Millions)						
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THROUGH FY (FY1994)	CY (FY1995)	BY (FY1996)	BEYOND BY
AT&T	ALBANY GA	TETS	\$ 1.289	\$ 0.882	\$ .100	\$ 0.735
AT&T	ALBANY GA	TETS RF	\$ .300	\$ .141	\$ .100	\$ .100
AT&T	ALBANY GA	TEST EO	\$ .300	\$ .300	\$ .200	\$ .200
TOTAL RDT&E FUNDING			\$ 1.289	\$ 1.182	\$ 0.541	\$ 1.035
REMARKS: *FY 1992-1994 FUNDS PROVIDED BY ADVANCE WARFARE TECHNOLOGY (AWT) CENTER. THIS IS A LRIP PROCUREMENT FY 96.						
BLI NR. 440200		P-1 SHOPPING LIST		EXHIBIT P-19		
ITEM NO. 29		PAGE NO. 4				

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: AUTOMATIC TEST EQUIPMENT THIRD ECHELON TEST SET

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 0  
DEPOT MAINTENANCE FLOAT: 0  
TOTAL: 0

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 42  
II MARINE EXPEDITIONARY FORCE: 42  
III MARINE EXPEDITIONARY FORCE: 42  
SELECTED MARINE CORPS RESERVE: 27  
SUPPORT ESTABLISHMENT: 66  
NORWAY AIR LANDED BRIDGADE: 18  
TOTAL: 237

APPROVED ACQUISITION OBJECTIVE

237

29-5

ASSET DYNAMICS		DATE:	
TAMCN/DODIC:		ITEM NAME: AUTOMATIC TEST EQUIPMENT (ATE) THIRD ECHELON TEST SET	
ACQUISITION OBJECTIVE:		RCN: 044197	
ENDING INVENTORY 30 SEP 1993		FY 1994	FY 1995
GAINS:			
*FY BUDGET			
*OTHER			
TOTAL			
LOSSES:			
*COMBAT USMC			
*COMBAT ALLIES			
*PEACETIME			
*WASHOUT			
*SALES			
*OTHER			
TOTAL			
NET CHANGE (+/-)			
ASSET POSITION:			
*STD SERVICEABLE			
*STD UNSERVICEABLE			
*SUB SERVICEABLE			
*SUB UNSERVICEABLE			
TOTAL			
\$M VALUE			
% A/O ON HAND/FUNDED			
COMMENTS:		FY 1996 RECOMMENDED BUY - QUANTITY:	
THIS ENCOMPASSES THE THIRD ECHELON TEST SET		VALUE: \$ 12	
		FY 1997 RECOMMENDED BUY - QUANTITY:	
		VALUE: \$ 41	
		FY 1997 RECOMMENDED BUY - QUANTITY:	
		VALUE: \$ 12.2 M	
BLI NR. 440200		EXHIBIT P-20A	



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## BUDGET ITEM JUSTIFICATION SHEET

DATE

APPROPRIATION/BUDGET ACTIVITY:

P-1 ITEM NOMENCLATURE:

PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY

04

GENERAL PURPOSE ELECTRONIC TEST EQUIPMENT (GPETE)

RCN: 045887

	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	0	0	0	0	0
COST (IN MILLIONS)	\$ 3.7	\$ 6.1	\$ 8.6	\$ 7.8	\$ 8.6	\$ 8.7	\$ 8.5

Funds allocated under this line are used to procure General Purpose Electronic Test, Measurement, and Diagnostic Equipment to support major items of electronic equipment. Funds sustain modernization and standardization efforts in addition to meeting new requirements.

All of the items are Code A.

This is a roll-up line that consists of many different items and separate acquisitions.

All of these items are required to support other Marine Corps systems already fielded or in the acquisition pipeline.

BLI NR. 442900

P-1 SHOPPING LIST  
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PAGE NO. 1

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 04		B. WEAPON MODEL/SERIES/POPULAR NAME GENERAL PURPOSE ELECTRONIC TEST EQUIPMENT (GPETE) (RCN 045887)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS		IDENT. CODE	FY 1995		FY 1996		FY 1997		QTY
			UNIT COST	QTY TOTAL COST	UNIT COST	QTY TOTAL COST	UNIT COST	QTY TOTAL COST	TOTAL COST
USM-646 TEST STATION	A		8000	50 400	8400	25 210			
USM-646 SEMI-CONDUCTOR	A		7320	50 366	7320	25 183			
MAINT KIT MK-2663	A		5000	75 375	5000	75 375			
TEST SET; TELECOM	A		4950	40 198					
OPTICAL TDR	A		6725	40 269	6725	40 269			
GROUND TESTER (CLAMP-ON)	A		5000	50 250	5000	50 250	5000	50 250	250
GROUND TESTER	A		4000	100 400	4000	50 200	4000	100 400	400
ARB FUNCTION GENERATOR	A		2000	250 500					
POWER METER (PULSE)	A		10000	30 300	10000	30 300	10000	30 300	300
POWER METER (CW)	A		2500	60 150	2500	60 150			
POWER METER (OPTICAL)	A						10000	25 250	250
PROTOCOL ANALYZER (LAN)	A				20000	20 400	20000	30 600	600
PROTOCOL ANALYZER (TEL)	A				25000	20 500	25000	20 500	500
BLI NR. 442900		P-1 SHOPPING LIST ITEM NO. 30		PAGE NO. 2		EXHIBIT P-5			

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 04		B. WEAPON MODEL/SERIES/POPULAR NAME GENERAL PURPOSE ELECTRONIC TEST EQUIPMENT (GPETE) (RCN 045887)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995		FY 1996		FY 1997		QTY	
		UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
HANDHELD BIT ERROR RATE TESTOR (BERT)	A			3000	75	3000	150		450
SIGNAL GENERATOR	A					14000	200		2800
TEST ADAPTER; RADIO	A			6000	400	6000	400		2400
SOFTWARE SUPPORT	N/A								180
LOGISTICS SUPPORT Training Material Factory Training Tech Manuals Provisioning Data Acceptance Testing	N/A			117	382				429
INITIAL SPARES							(96)		
(TOTAL ACTIVE)				(2914)			(5414)		(6249)
(TOTAL RESERVES)				(793)			(642)		(2310)
TOTAL COST				3707			6056		8559
BLI NR. 442900		P-1 SHOPPING LIST		ITEM NO. 30		PAGE NO. 3		EXHIBIT P-5	

PROCUREMENT HISTORY & PLANNING				P-1 ITEM NOMENCLATURE:				DATE:			
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY				GENERAL PURPOSE ELECTRONIC TEST EQUIPMENT (GPETE)				RCN: 045887			
04											
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL	
USM-646 TEST STATION											
FY95	VARIOUS	C/FPO	NAVY (NUWC)	APR95	JUL95	50	8000	YES	NO	N/A	
FY96	VARIOUS	C/FPO	NAVY (NUWC)	JAN96	APR96	25	8400	YES	NO	N/A	
USM-646 SEMI-CONDUCTOR											
FY95	HUNTRON	C/FPO	NAVY (SPCC)	APR95	JUL95	50	7320	YES	NO	N/A	
FY96	HUNTRON SEATTLE, WA	C/FPO	NAVY (SPCC)	JAN96	APR96	25	7320	YES	NO	N/A	
MAINT KIT MK-2663											
FY95	PACE INC	C/FPO	NAVY (NSWC)	FEB95	MAY95	75	5000	YES	NO	N/A	
FY96	PACE INC LAUREL, MD	C/FPO	NAVY (NSWC)	FEB96	MAY96	75	5000	YES	NO	N/A	
TEST SET, TELECON											
FY95	C&R CORP SAN JOSE, CA	C/FPO	NAVY (SPCC)	FEB95	MAY95	40	4950	YES	NO	N/A	
OPTICAL TDR											
FY95	ANRITSU	C/FPO	NAVY (SPCC)	MAR95	AUG95	40	6725	YES	NO	N/A	
FY96	ANRITSU MORGAN HILL, CA	C/FPO	NAVY (SPCC)	MAR96	AUG96	40	6725	YES	NO	N/A	
GROUND TESTER (CLAMP-ON)											
FY95	AEMC	C/FPO	NAVY (SPCC)	APR95	AUG95	50	5000	YES	NO	N/A	
FY96	AEMC	C/FPO	NAVY (SPCC)	JAN96	MAY96	50	5000	YES	NO	N/A	
FY97	AEMC BOSTON, MA	C/FPO	NAVY (SPCC)	JAN97	MAY97	50	5000	YES	NO	N/A	
REMARKS:											

EXHIBIT P-5A

P-1 SHOPPING LIST  
ITEM NO. 30  
PAGE NO. 4

BLI NR. 442900

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										
P-1 ITEM NOMENCLATURE:										
GENERAL PURPOSE ELECTRONIC TEST EQUIPMENT (GPETE)										
RCN: 045887										
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPECS REV RQD	IF YES WHEN AVAIL
GROUND TESTER										
FY95	PPM INC	C/FPO	NAVY (SPCC)	APR95	AUG95	100	4000	YES	NO	N/A
FY96	PPM INC	C/FPO	NAVY (SPCC)	JAN96	MAY96	50	4000	YES	NO	N/A
FY97	PPM INC CLEVELAND, OH	C/FPO	NAVY (SPCC)	JAN97	MAY97	100	4000	YES	NO	N/A
ABR FUNCTION GENERATOR FY95	WILTRON, MORGAN HILL, CA	C/FPO	USMC	AUG95	JAN96	250	2000	YES	NO	N/A
POWER METER (PULSE)										
FY95	GIGA-TRONICS	C/FP	NAVY (SPCC)	APR95	OCT95	30	10000	YES	NO	N/A
FY96	GIGA-TRONICS	C/FPO	NAVY (SPCC)	JAN96	MAY96	30	10000	YES	NO	N/A
FY97	SAN RAMON, CA	C/FPO	NAVY (SPCC)	JAN97	MAY97	30	10000	YES	NO	N/A
POWER METER (CW)										
FY95	HEWLETT-PACKARD	C/FP	NAVY (SPCC)	APR95	OCT95	60	2500	YES	NO	N/A
FY96	HEWLETT-PACKARD	C/FPO	NAVY (SPCC)	JAN96	MAY96	60	2500	YES	NO	N/A
POWER METER (OPTICAL)										
FY97	TBD	C/FP	NAVY (SPCC)	MAR97	JUL97	25	10000	NO	YES	MAY95
PROTOCOL ANALYZER (LAN)										
FY96	TBD	C/FPO	NAVY (SPCC)	MAR96	JUL96	20	20000	YES	NO	N/A
FY97	TBD	C/FPO	NAVY (SPCC)	JAN97	MAY97	30	20000	YES	NO	N/A
PROTOCOL ANALYZER (TEL)										
FY96	TBD	C/FP	NAVY (SPCC)	MAR96	SEP96	20	25000	YES	YES	MAY95
FY97	TBD	C/FPO	NAVY (SPCC)	JAN97	MAY97	20	25000	YES	YES	MAY95
HANDHELD BERT										
FY96	TBD	C/FP	USMC	MAR96	JUL96	75	3000	YES	YES	MAY95
FY97	TBD	C/FPO	USMC	JAN97	MAY97	150	3000	YES	YES	MAY95
REMARKS:										

EXHIBIT P-5A

P-1 SHOPPING LIST  
ITEM NO. 30  
PAGE NO. 5

BLI NR. 442900

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										P-1 ITEM NOMENCLATURE:
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										GENERAL PURPOSE ELECTRONIC TEST EQUIPMENT (GPETE) RCN: 045887
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
SIGNAL GENERATOR FY97	WILTRON MORGAN HILL, CA	C/FPO	USMC	JAN97	APR97	200	14000	YES	NO	N/A
TEST ADAPTER; RADIO FY96	IFR SYSTEMS	SS	ARMY	FEB96	JUL96	400	6000	YES	NO	N/A
FY97	WICHITA, KS	SS	ARMY	FEB97	JUL97	400	6000	YES	NO	N/A
REMARKS:										

BLI NR. 442900	P-1 SHOPPING LIST		EXHIBIT P-5A
	ITEM NO. 30	PAGE NO. 6	

BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		SINGGARS								
		RCN: 043638								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
		0	0	0	0	0	0	0	0	
COST (IN MILLIONS)	\$	65.8 \$	47.0 \$	0.0 \$	0.0 \$	0.0 \$	0.0 \$	0.0 \$	0.0	
<p>The SINGGARS radio will replace all AN/PRC-77 manpack, Bancroft, and AN/VRC-12 family of vehicular radios currently in the Marine Corps inventory.</p> <p>The SINGGARS radio will be used as the primary means of communication for command and control as well as fire support on the battlefield. SINGGARS will be highly reliable with over 1250 hours mean time between failure and built-in test equipment will ease the workload. Frequency hopping capability offers low probability of intercept, while integrated COMSEC deletes the requirement for external communications security equipment.</p> <p>The SINGGARS radio is Code A. Acquisition Objective (AO) = 25390</p> <p>Prior Years 13460 = 53% of AO  FY95 17716 = 70% of AO  FY96 21519 = 85% of AO  FY97-01 25390 = 100% of AO</p> <p>FY 97-99 PROCUREMENT IN BLI 463300.</p>										

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME SINGGARS RCN: 043638		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION ITT Fort Wayne, Indiana		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995		FY 1996		FY 1997			
		UNIT COST	QTY TOTAL COST	UNIT COST	QTY TOTAL COST	UNIT COST	QTY TOTAL COST		
SINGGARS		9,441	4256 40180	7,663	3803 29142				
Ancillary Equipment			6816		8715				
Installation Kits			3908		2134				
Program Support			8654		4350				
Reliability Award Fee			5778		2202				
Warranty			100		96				
Consulting Services			390		375				
Initial Spares			(1146)		(1278)				
TOTAL COST			65826		47014				0
BLI NR. 451000		P-1 SHOPPING LIST		EXHIBIT P-5					
		ITEM NO. 31		PAGE NO. 2					



PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:					P-1 ITEM NOMENCLATURE:					
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY					SINGGARS					
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REV RORD	IF YES WHEN AVAIL
RCN: 043638										
SINGGARS FY 95 FY 96	ITT, FORT WAYNE, IN ITT, FORT WAYNE, IN	FFP FFP	CECOM CECOM	MAR 95 MAR 96	JUN 96 JUN 97	4256 3803	9,441 7,663	YES YES	NO NO	N/A N/A
REMARKS: UNIT COSTS DO NOT INCLUDE NAVY COMSEC FUNDING. MODIFICATION TO FY-94 CONTRACT REFLECTS UNIT COST SAVINGS. FUNDS WERE APPLIED TO THE FY95 CONTRACT TO PROCURE AN ADDITIONAL 1000 PRC-119 RADIOS. THIS WILL RESULT IN A COMMENSURATE REDUCTION IN THE NUMBER OF RADIOS BOUGHT IN FY 97. COMBINED BUYS WILL NOT EXCEED THE 25,390 ACQUISITION OBJECTIVE. UNIT COST IS AN AVERAGE OF THE UNIT COST FOR VARIOUS CONFIGURATIONS OF THE SINGGARS RADIO.										
BLI NR. 451000					P-1 SHOPPING LIST					EXHIBIT P-5A
					ITEM NO. 31					PAGE NO. 3

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: SINGGARS

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT:	3795
DEPOT MAINTENANCE FLOAT:	1842
TOTAL:	5637

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE:	4276
II MARINE EXPEDITIONARY FORCE:	3962
III MARINE EXPEDITIONARY FORCE:	2089
SELECTED MARINE CORPS RESERVE:	3556
SUPPORT ESTABLISHMENT:	5870
NORWAY AIR LANDED BRIGADE:	0
TOTAL:	19753
APPROVED ACQUISITION OBJECTIVE:	25390

ASSET DYNAMICS		DATE:																																																																																																																																																						
TAMCN/DODIC:		ITEM NAME:																																																																																																																																																						
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P-1 SHOPPING LIST

ITEM NO. 31 . PAGE NO. 8

BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		MODIFICATION KITS (TEL)								
		RCN: 047239								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
		0	0	0	0	0	0	0		
COST (IN MILLIONS)	\$	1.1	1.1	0.0	0.0	0.0	0.0	0.0	\$	
<p>Modifications under this line are for COMSEC Cables.</p> <p>The COMSEC cable line is in support of various communications security systems being fielded including the KY-99 MINTERM, the Electronic Key Management System, the Data Transfer Device, and the STU III. COMSEC cables will interface with various communications devices, to include radios, switches, computers and satellites to provide secure transmissions at all times.</p> <p>Models of systems affected: COMSEC Cables - EKMS, DTD, KY-99, STU III</p>										
MODIFICATION TITLE		(\$ IN MILLIONS)								
		FY 1995	FY 1996							
COMSEC CABLES		\$1.087	\$1.073							
FY 97-01 procurement in BLI 463700										

BLI NR. 455500

P-1 SHOPPING LIST  
ITEM NO. 32 - 1  
PAGE NO.

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME MODIFICATION KITS (TEL) RCN: 047239		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	FY 1995 QTY TOTAL COST	FY 1996 UNIT COST	FY 1996 QTY TOTAL COST	FY 1997 UNIT COST	FY 1997 QTY TOTAL COST		
CONSEC CABLES	A		VAR 945		VAR 927				
CONTRACTOR SUPPORT			93		95				
TRAVEL			19		21				
NEW EQUIPMENT TRAINING			30		30				
TOTAL COST			1087		1073				
BLI NR. 455500		P-1 SHOPPING LIST ITEM NO. 32		PAGE NO. 2		EXHIBIT P-5			



PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:					P-1 ITEM NOMENCLATURE:					
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY					MODIFICATION KITS (TEL)					
4					RCN: 047239					
LINE ITEM/ FISCAL YEAR/ COMSEC CABLES/	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
FY95	USACCSLA Ft Huachuca, AZ	MIPR	CECOM	JAN95	JUL95	5150	143	YES	NO	N/A
FY95	TRACOR Chesapeake, VA	MIPR	NAWCAD	SEP95	NOV95	VARIOUS	VARIOUS	YES	NO	N/A
FY95	TRACOR Chesapeake, VA	MIPR	NISE EAST	SEP95	DEC95	400	599	YES	NO	N/A
FY95	MOTORLA Scottsdale, AZ	MIPR	NSA	MAR95	AUG95	VARIOUS	VARIOUS	YES	NO	N/A
FY96	TRACOR Chesapeake, VA	MIPR	NISE EAST	MAR96	OCT96	VARIOUS	VARIOUS	YES	NO	N/A

REMARKS: Five different cables and various quantities for each are being purchased on one contract.

BLI NR. 455500	P-1 SHOPPING LIST	EXHIBIT P-5A
ITEM NO. 32	PAGE NO. 3	

## MODIFICATION TITLE: COMSEC Cables

**MODELS OF SYSTEMS AFFECTED:**

EKMS, DTD, STU III, KY-99, KY-68

**DESCRIPTION/JUSTIFICATION:**

Cables produced will interface the above listed systems with various transmission systems, to include MRC-138, GRC-193, AAVC7, AND LAV-AD.

DEVELOPMENTAL STATUS/  
MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in Millions)

FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY
\$	\$	\$	\$	\$	\$	\$	\$
.945	.927						0
0	0						1.872
.049	.051						0
0	0						.100
.093	.095						0
0	0						.188
0	0						0
0	0						0
0	0						0
0	0						0

RDT&amp;E

## PROCUREMENT

Kit Quantity  
Installation Kits  
Install. Kits Nonrecurring  
Equipment  
Equipment Nonrecurring  
Engineering Change Orders  
Data  
Training Support  
Support Equipment  
Other  
Interim Contractor Support

37.4

INSTALLATION OF HARDWARE

(FY 1995) Eqpt ( Kits)  
 (FY 1996) Eqpt ( Kits)  
 (FY 1997) Eqpt ( Kits)  
 (FY 1998) Eqpt ( Kits)  
 (FY 1999) Eqpt ( Kits)  
 (FY 2000) Eqpt ( Kits)  
 (TO COMP) Eqpt ( Kits)

TOTAL INSTALLATION COST

TOTAL PROCUREMENT COST

2.160

METHOD OF IMPLEMENTATION: Field Installed

ADMIN LEAD-TIME: 5 MONTHS

PRODUCTION LEAD-TIME: 7 MONTHS

CONTRACT DATES:

FY 1996 MAR 96

FY 1997

DELIVERY DATES:

FY 1996 OCT 96

FY 1997

INSTALLING SCHEDULE:

FY 1995 FY 1996  
 1 2 3 4 1 2 3 4

FY 1997 FY 1998  
 1 2 3 4 1 2 3 4

FY 1999 FY 2000  
 1 2 3 4 1 2 3 4

INPUT

OUTPUT

EXHIBIT P-3A INDIVIDUAL MODIFICATION

38-5

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BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:		ITEMS LESS THAN \$2 MILLION (TEL)						
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		04		RCN: 949509						
QUANTITY	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001			
COST (IN MILLIONS)	\$	2.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0

This is a roll-up line which contains many different and unrelated items of equipment for which the annual procurement is less than \$2 Million each. The only thing these different items have in common is that they all are related to the Telecommunications (TEL) mission area. The funds included in this budget line allow procurement of the following items:

- \* Marine Corps Automatic Test Equipment System (MCATES) funding provides for integration and fielding of the AN/USM-631 Test Station.
- \* Power Supply equipment which provides direct current (DC) voltage from an alternating Voltage (AC) power source. This enables communication equipment to operate without using batteries. It also provides DC voltage to aid in the maintenance of electronic equipment.
- \* Tools, Sets, Kits, & Chests (TSK&C) are general purpose tools and support items used to support the installation, operation, and maintenance of communications equipment.
- \* Joint Communications Support Element (JCSE) equipment modernization. This effort funds the Marine Corps share of efforts to keep the JCSE equipped with the latest state-of-the-art equipment to accomplish its Joint Staff Mission.

All of these items are Code A

FY 97-01 procurement in BLI 463700 and 463900

BLI NR. 456700

P-1 SHOPPING LIST  
ITEM NO. 33  
PAGE NO. 1

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 04		B. WEAPON MODEL/SERIES/POPULAR NAME ITEMS LESS THAN \$2 MILLION (TEL) (RCN 949509)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	FY 1995 QTY TOTAL COST	FY 1996 UNIT COST	FY 1996 QTY TOTAL COST	FY 1997 UNIT COST	FY 1997 QTY TOTAL COST		
Auto Test Equip (MCATES) (RCN 044197)	A		50						
Power Supply 0-30 Volt	A	Various	1582	Various	711				
24-28 Volt	A								
20-80 Volt	A		343						
Logistics Supply Testing, Tech Data, Manuals, Training (RCN 040288)									
Tools Sets, Kits, Chests (TSK&C) (RCN 040958)	A			Various	456				
JCSE Modernization	A	Various	188	Various	247				
TOTAL COST			2163		1414				
BLI NR. 456700		P-1 SHOPPING LIST ITEM NO. 33		PAGE NO. 2		EXHIBIT P-5			

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:					P-1 ITEM NOMENCLATURE:					RCN: 949509
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY					ITEMS LESS THAN \$2 MILLION (TEL)					
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
AUTOMATIC TEST EQUIPMENT FY95	MCLB ALBANY, GA	VARIOUS	MCLB ALB	VARIOUS	VARIOUS	N/A	50*	N/A	N/A	N/A
POWER SUPPLIES FY95	UNKNOWN	C/FPO	USMC	APR95	VARIOUS	VARIOUS	1925*	YES	N/A	N/A
FY96	UNKNOWN	C/FPO	USMC	JUN96	VARIOUS	VARIOUS	711*	YES	N/A	N/A
TOOL SETS, KITS & CHESTS FY96	VARIOUS	C/FP	USMC	VARIOUS	VARIOUS	VARIOUS	456*	YES	N/A	N/A
JCSE MODERNIZATION FY95	VARIOUS	VARIOUS	USMC	VARIOUS	VARIOUS	VARIOUS	188*	YES	N/A	N/A
FY96	VARIOUS	VARIOUS	USMC	VARIOUS	VARIOUS	VARIOUS	247*	YES	N/A	N/A
REMARKS: * Reflects total cost in thousands of dollars (Many different items are being bought).										

BLI NR. 456700

P-1 SHOPPING LIST  
ITEM NO. 33

PAGE NO. 3

EXHIBIT P-5A

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BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:		POSITION LOCATION REPORTING SYSTEM (PLRS)						RCN: 140014
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		4								
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001			
QUANTITY	0	0	0	0	0	0	0			
COST (IN MILLIONS)	\$ 0.001	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0			
FY95: \$1K TO KEEP LINE OPEN										
FY 99 procurement in BLI 464000										

BLI NR. 458800	P-1 SHOPPING LIST	
	ITEM NO. 34	PAGE NO. 1

EXHIBIT P-40	
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BUDGET ITEM JUSTIFICATION SHEET							DATE	
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:						
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		AN/TYQ-23 (V)1 TACTICAL AIR OPERATIONS MODULE (TAOM)					RCN: 140034	
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
		0	0	0	0	0	0	0
COST (IN MILLIONS)	\$	3.7 \$	2.4 \$	0.0 \$	0.0 \$	0.0 \$	0.0 \$	0.0 \$
<p>1. The AN/TYQ-23 (V)1, Tactical Air Operations Module, is an electronic tactical data system which, when supported with sensors, power sources, support equipment, and personnel, provides the US Marine Corps with the capabilities of integrated air defense, supplemental enroute traffic control management, and data link to external agencies for real time exchange of tactical air data. Four Tactical Air Operations Modules constitute one system.</p> <p>2. This is a collection of efforts and an evolutionary acquisition strategy, encompassing ECPs and incorporation of COTS equipment into the existing TAOC platform. This initiative will upgrade the system to include Joint Tactical Data Links (TADIL-J), Sector Anti-Air Warfare Facility (SAAWF), operator console units, and the TPS-59 radar interface, representing four major elements.</p> <p>3. These upgrades will open up the system architecture, provide an automated air tasking order capability, tactical missile defense, and a battle management facility. The open architecture facilitates TADIL-J upgrade.</p>								
FY-97-FY01 PROCUREMENT IN BLI 464000.								

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME AN/TYQ-23 (V) 1 TACTICAL AIR OPERATIONS MODULE (TAOM) (RCN 140034)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION LITTON DATA SYSTEMS AGOURA HILLS, CA		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST		
AN/TYQ-23 (V) 1 TACTICAL AIR OPERATIONS MODULE PRODUCT IMPROVEMENT PROGRAM OCU UPGRADE SECTOR ANTI-AIR WARFARE FACILITY (SAAWF) JTIDS INTEGRATION RADAR INTERFACE (TMD) GFE REPAIR Contractor Support Services (PRODUCTION)			1710	2100	1	2100			
Post Deployment Software Support (MCTSSA) TAD IKP Training (Factory) Contractor Support Services (PIP)			50 571				21 50 149		
INITIAL SPARES							(34)		
TOTAL COST			3653				2370		0
BLI NR. 459400		P-1 SHOPPING LIST ITEM NO. 35		PAGE NO. 2		EXHIBIT P-5			

PROCUREMENT HISTORY & PLANNING

DATE:

APPROPRIATION/BUDGET ACTIVITY:

PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY

4

P-1 ITEM NOMENCLATURE:

AN/TYQ-23 (V)1 TACTICAL AIR OPERATIONS MODULE (TAOM)

RCN: 140034

LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RORD	IF YES WHEN AVAIL
OCU Upgrade FY 1996	Litton Data Systems Agoura Hills, CA	SSFFP	SYS COM	FEB 96	May 97	1	2100000	YES	NO	NA

REMARKS:

BLI NR. 459400

P-1 SHOPPING LIST

ITEM NO. 35

PAGE NO. 3

EXHIBIT P-5A

[illegible]

	MANUFACTURER'S NAME & LOCATION	PRODUCTION RATES		REACHED D+
		MIL SUET 1-8-5	MAXIMUM	
	LITTON DATA SYSTEMS, AGOURA HILLS, CA	1	1	
	MCTSSA, Camp Pendleton, CA			

PROCUREMENT LEAD TIME					TOTAL AFTER 1 OCT
ADMIN LEAD TIME		MANU- FACTURING			
PRIOR 1 OCT	AFTER 1 OCT	PRIOR 1 OCT	AFTER 1 OCT	TOTAL 1 OCT	
INITIAL	0	3	16	19	
PROPOSED					

REMARKS:	
----------	--

BUDGET ITEM JUSTIFICATION SHEET							DATE	
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:					RCN: 140054	
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		ADVANCED TACTICAL AIR COMMAND CENTRAL						
		4						
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
		0	0	0	0	0	0	0
COST (IN MILLIONS)	\$	0.0 \$	9.1 \$	0.0 \$	0.0 \$	0.0 \$	0.0 \$	0.0 \$

The Advanced Tactical Air Command Central (ATACC) is a transportable command, control, and communications system designed to provide the Aviation Combat Element (ACE) Commander with the capability to plan, coordinate, and direct Marine Air Ground Task Force (MAGTF) tactical air operations. ATACC provides computer assistance to Marine Corps planners and operators to facilitate coordination of air battle planning and execution. ATACC provides automated data exchange and processing of tactical information; automated generation of Air Tasking Orders (ATOs) by integrating Contingency Theater Automated Planning System (CTAPS) and computer assistance in maintaining status information. Planners and operators have access to information from a shared database which is automatically updated by messages received from TADIL-A, TADIL-B, NATO Link-1, TADIL-J, and JICS/MTF.

ATACC will maximize use of non-developmental hardware and software items. ATACC hardware is 95 percent NDI or modified NDI. Software is 65 percent NDI. Developed software will be written in Ada as directed by DOD. The MS III decision in March 1994, redefined the program to a three phase evolutionary acquisition. Phase I provides the initial capability and uses the existing prototype four shelter per MEF system reconfigured and upgraded to a one shelter per MEF system, plus software fixes required by the operational test, purchase of CTAPS, and a replacement for the current bubble shelter. Two additional non-deployable systems are required for training and software integration. Subsequent year funding provides for a common voice communications distribution system - the Mobile Enhanced Communications Distribution System (MECDS), upgrades the common hardware, upgrades software to Global Command and Control System (GCCS) mid-term concept of employment (COE), adds TADIL-J integration and Joint Tactical Interface Distribution System (JTIDS) connectivity, and provides improvements in supportability. The program received Milestone Decision Authority MS II approval for Phase II on 14 April 1995. The ATACC will replace the 1960s technology of the AN/TYQ-1 and AN/TYQ-3A.

ACQUISITION OBJECTIVE (A/O): 6

FY 94 and prior: 6 = 100% of Phase I A/O plus initiation of the Phase I improvements  
 FY 96: Continuation of Phase I improvements

APPROVAL FOR SERVICE USE: FY 94 = CODE A

FY 97-00 PROCUREMENT IN BLI 463100.

BLI NR.	459700
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P-1 SHOPPING LIST	
ITEM NO.	PAGE NO.
36	1

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME ADVANCED TACTICAL AIR COMMAND CENTRAL (ATACC) RCN: 140054		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION Various		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST		
AN/TYQ-51 REFURBISHMENT	A								
SHELTER SYSTEM				1,754,500	4 7018				
CTAPS				525,000	4 2100				
Active Component Reserve Component							(6838) (2280)		
TOTAL COST							9118	0	
BLI NR. 459700		P-1 SHOPPING LIST		ITEM NO. 36		PAGE NO. 2		EXHIBIT P-5	



PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:					P-1 ITEM NOMENCLATURE:					
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY					ADVANCED TACTICAL AIR COMMAND CENTRAL					
					RCN: 140054					
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
AN/TYQ-51 REFURBISHMENT										
SHELTER SYSTEM FY 96	USAF/USA	FFP	SYSKOM	DEC 1995	DEC 1996	4	1,754,500	YES	NO	N/A
CTAPS FY 96	SUN SAN DIEGO, CA	FFP	USAF	MAR 1996	JUN 1996	4	525,000	YES	NO	N/A
REMARKS:										

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: ADVANCE TACTICAL AIR COMMAND CENTRAL (ATACC)

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 0  
DEPOT MAINTENANCE FLOAT: 0  
TOTAL: 0

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 1  
II MARINE EXPEDITIONARY FORCE: 1  
III MARINE EXPEDITIONARY FORCE: 1  
SELECTED MARINE CORPS RESERVE: 1  
SUPPORT ESTABLISHMENT: 2  
NORWAY AIR LANDED BRIGADE: 0  
TOTAL: 6

APPROVED ACQUISITION OBJECTIVE

6

36-4

ASSET DYNAMICS		DATE:			
ITEM NAME: ADVANCED TACTICAL AIR COMMAND CENTRAL (ATACC)					
RCN: 140054					
TAMCN/DODIC:	AO0013				
ACQUISITION OBJECTIVE:	6				
ENDING INVENTORY					
30 SEP 1993					
GAINS:					
*FY BUDGET	2				
*OTHER	2				
TOTAL					
LOSSES:					
*COMBAT USMC					
*COMBAT ALLIES					
*PEACETIME					
*WASHOUT					
*SALES					
*OTHER					
TOTAL					
NET CHANGE (+/-)					
ASSET POSITION:					
*STD SERVICEABLE	4				
*STD UNSERVICEABLE					
*SUB SERVICEABLE					
*SUB UNSERVICEABLE					
TOTAL	4				
\$M VALUE	26.0				
% A/O ON HAND/FUNDED	67 %				
COMMENTS: The prototype systems used in OT are being refurbished to provide a total inventory of four deployable systems and two supporting establishment systems for training and software integration.					
FY 97-01 PROCUREMENT IN BLI 463100.					
BLI NR.	459700				
P-1 SHOPPING LIST					
ITEM NO.	36				
PAGE NO.					
EXHIBIT P-20A					



BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		MARINE TACTICAL COMMAND AND CONTROL SYSTEM (MTACCS)								
		ROLL-UP								
		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	RCN: 140024	
QUANTITY										
COST (IN MILLIONS)	\$	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

This is a rolled line for the Marine Tactical Command and Control System (MTACCS) consisting of:

- Direct Air Support Central (DASC) Product Improvement Program (PIP)
- Tactical Combat Operations (TCO)

-The MTACCS line ends in FY 95, the TCO line begins in FY 96 and the Command Post Systems line starts in FY 97.

BLI NR. 461000

P-1 SHOPPING LIST  
ITEM NO. 37 - PAGE NO. 1

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME MARINE TACTICAL COMMAND AND CONTROL SYSTEM (MTACCS) RCN: 140025 ROLL-UP		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995		FY 1996		FY 1997		QTY	
		UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
DASC	A		10						
TCO	A		98	2,788					
				5,245					
INITIAL SPARES				(2062)		(5449)		(3959)	
BLI NR. 461000		P-1 SHOPPING LIST		8,033		0		0	
		ITEM NO. 37		PAGE NO. 2				EXHIBIT P-5	

BUDGET ITEM JUSTIFICATION SHEET										DATE	
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:									
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		MARINE TACTICAL COMMAND AND CONTROL SYSTEM (MTACCS)								RCN: 146294	
		DIRECT AIR SUPPORT CENTRAL (DASC)									
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001			
		10	0	0	0	0	0	0			
COST (IN MILLIONS)	\$	2.8	0.0	0.0	0.0	0.0	0.0	0.0			

The DASC PIP is primarily a non-developmental effort which repackages the capabilities of two systems that comprise the existing DASC equipment (the AN/TSQ-155(V) Improved Direct Air Support Central (IDASC) and the OE-334 Antenna Coupler Group) into a lightweight, highly mobile, modular system. This effort will incorporate existing hardware, COTS/modified-COTS and selected automation hardware and software into a single, five shelter, HMMWV mounted system (3 Ops and 2 Comm), which will allow for DASC task organization as required to support any level of MAGTF/operation. The IDASC PIP is a GCCS migration system, that will utilize both the Marine Corps common hardware automations hardware, as well as the MAGTF C4I software baseline. Improved capabilities include automated interfaces to the Digital Communications Terminal (DCT), Advanced Tactical Air Command Central (ATACC), Position Location Reporting System (PLRS), Advanced Field Artillery Tactical Data System (AFATDS), and Tactical Combat operations (TCO). NSWC Crane, the Principal Development Agent, is responsible for both the downsizing and the automation efforts.

MOD	INSTALLING AGENT	INSTALLATION	END ITEM
IDASC PIP	NSWC CRANE, IN	BEGIN: OCT 93	AN/TSQ-155 (V) / OE-334 ANTENNA COUPLER GROUP/DASC AUTOMATION
		END: JUN 97	
	NISE WEST SAN	BEGIN: OCT 95	
	DIEGO, CA	END: JUN 97	

ACQUISITION OBJECTIVE (A/O): TSQ-155s: 32 OE-334s: 20

FY 1994 AND PRIOR:	TSQ-155s	6 = 19%	OE-334s	10 = 50%
FY 1995		10 = 31%		16 = 80%

APPROVAL FOR SERVICE USE: FY95= CODE A

BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION/BUDGET ACTIVITY:		
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	4	P-1 ITEM NOMENCLATURE: MARINE TACTICAL COMMAND AND CONTROL SYSTEM (MTACCS) (DASC) RCN: 146294
MODELS OF SYSTEMS AFFECTED: AN/TSQ-155V IDASC & OE-334 ANTENNA COUPLER GROUP		
MODIFICATION TITLE	FY 1995	FY 1996
DASC PRODUCT IMPROVEMENT PROGRAM	2.788	0
TOTAL	2.788	0

BLI NR. 461000

P-1 SHOPPING LIST  
ITEM NO. 37 - PAGE NO. 4

EXHIBIT P-40



WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME MARINE TACTICAL COMMAND AND CONTROL SYSTEM (MTACCS) RCN 146294 (DASC)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION NSWC, CRANE, IN		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST		
DASC (OPS SHELTER) DOWNSIZING PIP	A	210,718	4		843				
LMS SHELTERS SHELTER MOUNTING MODS OE-334 (COMM SHELTER) DOWNSIZING PIP		185,728	6		257 31 1114				
SUB-TOTAL									
SUPPORT COSTS:									
ILS (PROVISIONING, FMEA, TM'S)					69				
H/W & ENGINEERING SUPPORT DRAWINGS					236				
TESTS					76				
TECH DATA					29				
FACTORY TRAINING					51				
S/W ENGINEERING SUPPORT					82				
SUB-TOTAL					0				
TOTAL COST									
BLI NR. 461000		P-1 SHOPPING LIST ITEM NO. 37		PAGE NO. 5		2788		EXHIBIT P-5	

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:					P-1 ITEM NOMENCLATURE:					
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY					MARINE TACTICAL COMMAND AND CONTROL SYSTEM (MTACCS)					
					RCN: 146294					
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
DASC (OPS SHELTER)										
FY 95	NSWC, CRANE, IN	C/FFPO	NSWC, CRANE	MAR 95	JAN 95	4	210718	YES	NO	N/A
OE-334 (COMM SHELTER)										
FY 95	NSWC, CRANE, IN	C/FFPO	NSWC, CRANE	APR 95	FEB 95	6	185728	YES	NO	N/A
REMARKS: Unit cost includes downsized shelters, rapid assembly tents, cables, and integration costs.										

# INDIVIDUAL MODIFICATION

MODIFICATION TITLE: IMPROVED DIRECT AIR SUPPORT CENTRAL (IDASC) PRODUCT IMPROVEMENT PROGRAM (PIP)

MODELS OF SYSTEMS AFFECTED: AN/TSQ-155V IMPROVED DASC (IDASC) OE-334 ANTENNA COUPLER GROUP

DESCRIPTION/JUSTIFICATION: Equipment procured under this effort will be modular and allow the system to be task organized and operated internal or external to the downsized AN/TSQ-155(V) and OE-334 Antenna Coupler Group shelters, or external to the DASC operations shelters. Improved capabilities include automated interfaces to the DCT, ATACC, PLRS, AFATDS, and TCO.

DEVELOPMENTAL STATUS/ MAJOR DEVELOPMENT MILESTONES: Prototype hardware and software will undergo analysis and modification at Marine Corps Tactical Systems Support Activity and NSWC, Crane IN

FINANCIAL PLAN: (\$ in Millions)

	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$
RDY&E								
PROCUREMENT								
Kit Quantity	10							0 0.000
Installation Kits								10
Install. Kits Nonrecurring								0.000
Equipment								0.000
Equipment Nonrecurring	2.245							0.000
Engineering Change Orders								2.245
Data	0.127							0.000
Training Support	0.082							0.127
Support Equipment								0.082
Other	0.334							0.000
Interim Contractor Support								0.334
								0.000

EXHIBIT P-3A INDIVIDUAL MODIFICATION

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FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		TO COMP		TOTAL
QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
INSTALLATION OF HARDWARE														
(FY 1995) Eqpt	( Kits)													0
(FY 1996) Eqpt	( Kits)													0
(FY 1997) Eqpt	( Kits)													0
(FY 1998) Eqpt	( Kits)													0
(FY 1999) Eqpt	( Kits)													0
(FY 2000) Eqpt	( Kits)													0
(TO COMP) Eqpt	( Kits)													0

TOTAL INSTALLATION COST	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
TOTAL PROCUREMENT COST	2.788	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

METHOD OF IMPLEMENTATION: \_\_\_\_\_ ADMIN LEAD-TIME: \_\_\_\_\_ MONTHS PRODUCTION LEAD-TIME: \_\_\_\_\_ MONTHS

CONTRACT DATES: FY 1996 \_\_\_\_\_ FY 1997 \_\_\_\_\_

DELIVERY DATES: FY 1996 \_\_\_\_\_ FY 1997 \_\_\_\_\_

FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		TOTAL			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
INSTALLING SCHEDULE:															

INPUT

OUTPUT

EXHIBIT P-3A INDIVIDUAL MODIFICATION

37-8

BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		TACTICAL COMBAT OPERATIONS (TCO)								
		RCN: 144124								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
		98	0	0	0	0	0	0		
COST (IN MILLIONS)	\$	5.2	0.0	0.0	0.0	0.0	0.0	0.0	\$	
<p>Tactical Combat Operations (TCO) will be the Marine Air Ground Task Force (MAGTF) commanders' workstation within the Marine Tactical Command and Control System (MTACCS). TCO will provide senior and subordinate commanders with the automation to receive, fuse, display, and disseminate select information from other component systems of MTACCS. Additional TCO attributes include: automated message management, mission planning, development and dissemination of operations orders and overlays, display of current friendly/enemy situation, display of fire support and maneuver control measures, and interfaces with local and wide area networks.</p> <p>FY96 funding is budgeted in the TCO line (BLI 461300).  FY98-01 funding is budgeted in the Command Post Systems line.</p> <p>TCO ACQUISITION OBJECTIVE (A/O): 880</p> <p>FY95: 98 = 11% OF A/O</p> <p>APPROVAL FOR SERVICE USE: FY 95 = CODE A</p>										

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME TACTICAL COMBAT OPERATIONS (TCO) (RCN 144124)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION Hewlett Packard Chesapeake, Va.		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995		FY 1996		FY 1997		QTY	
		UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>HARDWARE COSTS</b>									
TAC IV Computer	A	37600	98	3685					
TAC IV Expansion Box	A	14750	50	737					
TCIM (Army MODEM)	A	8700	53	461					
Transit Cases	A	600	148	89					
<b>SUPPORT COSTS</b>									
ILS				111					
Program Management				100					
Travel				62					
<b>TOTAL COST</b>		5245				0		0	
BLI NR. 461000		P-1 SHOPPING LIST		ITEM NO. 37		PAGE NO. 10		EXHIBIT P-5	

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										
P-1 ITEM NOMENCLATURE:										
TACTICAL COMBAT OPERATIONS (TCO)										
RCN: 144124										
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RORD	IF YES WHEN AVAIL
TAC IV FY95	Hewlett Packard, Chesapeake, Va.	C/FFP	Portsmouth	Jun 96	Feb 96	98	37600	YES	NO	N/A
TAC IV FY95	Hewlett Packard, Chesapeake, Va.	C/FFP	Portsmouth	Jun 95	Feb 96	50	14750	YES	NO	N/A
EXPANSION BOX TCIM FY95	SAIC, San Diego, Ca	C/FFP	US Army	Mar 95	Feb 96	53	8700	YES	NO	N/A
Transit Cases FY95	Packaging Strategie Inc., Baltimore, MD	C/FFP	NISE East	Mar 95	Feb 96	148	600	YES	NO	N/A
REMARKS:										

BLI NR. 461000

P-1 SHOPPING LIST  
 ITEM NO. 37  
 PAGE NO. 11

EXHIBIT P-5A

"CODE B" ITEM DESCRIPTION		DATE			
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE: TACTICAL COMBAT OPERATIONS (TCO) RCN: 144124			
1. CURRENT DEVELOPMENT AND TEST STATUS					
a. Developmental Test & Evaluation (DT&E)	Plan/Actual	CONTINUAL TESTING EVERY SIX MONTHS			
b. Initial Operational Test & Evaluation (IOT&E)	Plan/Actual				
c. Operational Test & Evaluation (OT&E)	Plan/Actual				
d. Available Date of Technical Data Package (TDP or Performance Specifications	Plan/Actual				
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: Sep 1995					
3. EQUIPMENT ITEM(S) TO BE REPLACED: None					
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED: N/A					
5. DEVELOPMENT CONTRACT INFORMATION (RDT&E Funding Profile - \$ in Millions)					
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	CY (FY1995)	BY (FY1996)	BEYOND BY
			\$ 2.4	\$ 1.0	20.1
			\$	\$	
			\$	\$	
			\$	\$	
			\$	\$	
TOTAL RDT&E FUNDING			\$ 2.4	\$ 1.0	20.1
REMARKS: NISE East serves as system integrator with multiple contracts.					
BLI NR. 461000		P-1 SHOPPING LIST		EXHIBIT P-19	



APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: TACTICAL COMBAT OPERATIONS

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 81  
DEPOT MAINTENANCE FLOAT: 99  
TOTAL: 180

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 199  
II MARINE EXPEDITIONARY FORCE: 203  
III MARINE EXPEDITIONARY FORCE: 136  
SELECTED MARINE CORPS RESERVE: 122  
SUPPORT ESTABLISHMENT: 40  
NORWAY AIR LANDED BRIGADE: 0  
MARITIME PREPOSITIONING FORCE: 0  
TOTAL: 700

WRMR/MPF OFFSET

(0)

APPROVED ACQUISITION OBJECTIVE

880

37-13

ASSET DYNAMICS		DATE:	
TAMCN/DODIC: A2534	880	ITEM NAME: Tactical Combat Operations (TCO)	
ACQUISITION OBJECTIVE:		RCN: 144124	
ENDING INVENTORY 30 SEP 1993		FY 1994	FY 1995
GAINS:			
*FY BUDGET			98
*OTHER			0
TOTAL			98
LOSSES:			
*COMBAT USMC			0
*COMBAT ALLIES			0
*PEACETIME			0
*WASHOUT			0
*SALES			0
*OTHER			0
TOTAL			0
NET CHANGE (+/-)			0
ASSET POSITION:			
*STD SERVICEABLE			98
*STD UNSERVICEABLE			0
*SUB SERVICEABLE			0
*SUB UNSERVICEABLE			0
TOTAL			98
\$M VALUE			5.2
% A/O ON HAND/FUNDED			11 %
COMMENTS:		FY 1996 RECOMMENDED BUY - QUANTITY:	
		VALUE:	\$ M
		FY 1997 RECOMMENDED BUY - QUANTITY:	
		VALUE:	\$ M

EXHIBIT P-20A  
 P-1 SHOPPING LIST  
 ITEM NO. 37  
 PAGE NO. 14



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BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		ADVANCED FIELD ARTILLERY TACTICAL DATA SYSTEM (AFATDS) RCN: 140064								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
		137	210	0	0	0	0	0	0	
COST (IN MILLIONS)	\$	5.3	11.9	0.0	0.0	0.0	0.0	0.0	0.0	
<p>Advanced Field Artillery Tactical Data System (AFATDS) will provide digital fire support Command Control (C2) automation to Marine Air Ground Task Force (MAGTF) Fire Support Coordination Centers, Fire Direction Centers, and Supporting Arms Coordination Centers (Afloat). This line procures the hardware only. A hardware suite will consist of ruggedized general purpose computers, tactical modems, printers, displays, electrical power distribution units and integration rack/shelter kits. Initial fielding will include Marine Corps Fire Support Command and Control System, similar to the Army's Initial Fire Support Automation System, to provide an initial capability. The system will work with existing and planned tactical communication equipment. The hardware suite is changing in FY-96 in order to support the system migration to the DoD Common Operating Environment.</p>										
<p>ACQUISITION OBJECTIVE (A/O): 782</p> <p>FY 1994: 271 = 35% of AO  FY 1995: 408 = 52% of AO  FY 1996: 618 = 79% of AO  FY 1997-01: 782 = 100% of AO</p> <p>APPROVAL FOR SERVICE USE: FY-96 = CODE A</p> <p>FY-96 UNIT COST: \$55,419</p> <p>FY-99 PROCUREMENT IN BLI 463100.</p>										

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME ADVANCED FIELD ARTILLERY TACTICAL DATA SYSTEM (AFATDS) (RCN 140064)				C. MANUFACTURER NAME PLANT CITY/STATE LOCATION LITTON/SAIC, AGOURA, CA.		D. DATE
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	FY 1996 UNIT COST	FY 1997 UNIT COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
ADVANCED FIELD ARTILLERY TACTICAL DATA SYSTEM	A	33,151	4542	55,419	137	4542	210	11638		
PROGRAM SUPPORT:										
TAD										
PROGRAM MANAGEMENT										
ENGINEERING SUPPORT										
TRAINING MATERIAL										
INTEGRATED LOG SUPPORT										
FACTORY TRAINING										
TOTAL PROGRAM COST										
Active Component										
Reserve Component										
TOTAL COST										
BLI NR. 461100										

EXHIBIT P-5

P-1 SHOPPING LIST

ITEM NO. PAGE NO.

38 - 2

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:					P-1 ITEM NOMENCLATURE:					
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY					ADVANCED FIELD ARTILLERY TACTICAL DATA SYSTEM (AFATDS)					RCN: 140064
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQRD	IF YES WHEN AVAIL
	Advanced Field Artillery Tactical Data System (AFATDS)									
FY95	LITTON/SAIC Agoura Hills, CA	C/FFP	CECOM	JAN95	APR95	137	33,151	YES	NO	N/A
FY96	LITTON Agoura Hills, CA	C/FFP	CECOM	MAR96	JUN96	210	55,419	YES	NO	N/A
<b>REMARKS:</b> Hardware transition in FY96 provides pathway to transition fire support applications to the DoD Common Operating Environment.										

ASSET DYNAMICS		DATE:																																																																																																																																																		
ITEM NAME: ADVANCED FIELD ARTILLERY TACTICAL DATA SYSTEM (AFATDS)																																																																																																																																																				
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BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		Tactical Combat Operations (TCO)								
		RCN: 144124								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
		0	236	0	0	0	0	0	0	
COST (IN MILLIONS)	\$	0.0	10.8	0.0	0.0	0.0	0.0	0.0	0.0	
<p>THIS ITEM IS CODE A</p> <p>TCO ACQUISITION OBJECTIVE (A/O): 880</p> <p>FY95&amp;PRIOR 98 = 11% OF A/O</p> <p>FY96: 334 = 38% OF A/O</p> <p>FY97: 564 = 64% OF A/O</p> <p>FY98: 780 = 89% OF A/O</p> <p>FY99-01: 880 = 100% OF A/O</p> <p>The TCO line begins in FY 96, the MTACCS line ends in FY 95, Command Post Systems line starts in FY 97.</p> <p>FY 97-99 PROCUREMENT IN BLI 463100.</p>										

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME TACTICAL COMBAT OPERATIONS (TCO) RCN: 144124		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION Hewlett Packard		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	FY 1995 QTY TOTAL COST	FY 1996 UNIT COST	FY 1996 QTY TOTAL COST	FY 1997 UNIT COST	FY 1997 QTY TOTAL COST		
<b>HARDWARE COSTS</b>									
TAC IV Computer	A			37600	236		8874		
TAC IV Expansion Box	A			14750	68		1003		
TCIM (Army MODEM)	A			8418	56		471		
Transit Cases	A			618	304		188		
<b>SUPPORT COSTS</b>									
ILS							65		
Program Management							113		
Factory Training/							79		
Travel									
<b>TOTAL COST</b>							<b>10793</b>		
BLI NR. 461300		P-1 SHOPPING LIST ITEM NO. 39		PAGE NO. 2		EXHIBIT P-5			

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										
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LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
TAC-IV FY96	HEWLETT PACKARD CHESAPEAKE, VA.	C/FFP	PORTSMOUTH NAVAL SHIPYARD	Dec 95	Apr 96	236	37600	YES	NO	N/A
TAC-IV FY96	HEWLETT PACKARD CHESAPEAKE, VA.	C/FFP	PORTSMOUTH NAVAL SHIPYARD	Dec 95	Apr 96	68	14750	YES	NO	N/A
TCIM FY96	SAIC SAN DIEGO, CA	C/FFP	US ARMY CECOM	Oct 95	Apr 96	56	8418	YES	NO	N/A
Transit Cases FY96	PACKAGING STRATEGIES, INC. BALTIMORE, MD.	C/FFP	NISE EAST MCS	Oct 95	Apr 96	304	618	YES	NO	N/A
REMARKS:										

BLI NR. 461300

P-1 SHOPPING LIST  
 ITEM NO. 39  
 PAGE NO. 3

EXHIBIT P-5A

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: TACTICAL COMBAT OPERATIONS

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 81  
DEPOT MAINTENANCE FLOAT: 99  
TOTAL: 180

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 199  
II MARINE EXPEDITIONARY FORCE: 203  
III MARINE EXPEDITIONARY FORCE: 136  
SELECTED MARINE CORPS RESERVE: 122  
SUPPORT ESTABLISHMENT: 40  
NORWAY AIR LANDED BRIGADE: 0  
MARITIME PREPOSITIONING FORCE: 0  
TOTAL: 700

WRMR/MPF OFFSET

(0)

APPROVED ACQUISITION OBJECTIVE

880

39-4

ASSET DYNAMICS		DATE:																																																																																																																																										
ITEM NAME: Tactical Combat Operations (TCO)		RCN: 144124																																																																																																																																										
TAMCN/DODIC:	A2534	880																																																																																																																																										
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BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		AN/TPQ-36 FIREFINDER RADAR UPGRADES								
		RCN: 140075								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
		0	0	0	0	0	0	0	0	
COST (IN MILLIONS)	\$	0.0	0.0	30.4	0.6	1.5	0.0	0.0	0.0	
<p>The AN/TPQ-36 FIREFINDER RADAR is used to locate hostile indirect fire against friendly forces. After location, coordinates are passed to friendly fire support assets to engage the enemy. The AN/TPQ-36 was first fielding in the Marine Corps in 1985. The block upgrades will result in significant reduction in size from five ton trucks to HMMWV configuration to improve mobility and transportability, and incorporation of new/more capable electronics components. The results of the modification program will be a highly mobile and greatly enhanced locating capability.</p>										
MOD		INSTALLING AGENT		INSTALLATION		END ITEM				
AN/TPQ-36 (V)7 (DOWNSIZE TO HMMWV)		DEPOT		BEGIN: APR 98 END: JUN 99		AN/TPQ-36 RADAR				
AN/TPQ-36 (V)8 (ELECTRONIC ENHANCEMENT)		DEPOT		BEGIN: APR 98 END: JUN 99		AN/TPQ-36 RADAR				
MODELS OF SYSTEMS AFFECTED:		AN/TPQ-36 FIREFINDER RADAR								
MODIFICATION TITLE:		FY 1995 FY 1996 FY 1997								
AN/TPQ-36 (V)7 (DOWNSIZE TO HMMWV)		8.326								
AN/TPQ-36 (V)8 (ELECTRONIC ENHANCEMENT)		22.054								
TOTAL		30.380								

EXHIBIT P-40

P-1 SHOPPING LIST  
ITEM NO. 40 - PAGE NO.

BLI NR. 468300

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME AN/TPQ-36 FIREFINDER RADAR UPGRADE RCN: 140075		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	FY 1995 QTY TOTAL COST	FY 1996 UNIT COST	FY 1996 QTY TOTAL COST	FY 1997 UNIT COST	FY 1997 QTY TOTAL COST		
AN/TPQ-36 (V) 7 DOWNSIZE	A					372.727	22	8,200	
SPECIAL TEST EQUIP								126	
AN/TPQ-36 (V) 8 (ELEC)	B					995,100	22	21,892	
SPECIAL TEST EQUIP								162	
TOTAL PROGRAM COST Active Component Reserve Component									
TOTAL COST								30380	

P-1 SHOPPING LIST  
 ITEM NO. 40  
 PAGE NO. 2

EXHIBIT P-5

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										P-1 ITEM NOMENCLATURE:
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										AN/TPQ-36 FIREFINDER RADAR UPGRADES
										RCN: 140075
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
AN\TPQ-36 (V)7 (DOWNSIZE) / FY97	Gov Depot*	O-TM (1)	CECOM	FEB 97	MAR 98	22	372,727	YES	NO	N/A
AN\TPQ-36 (V)8 (Electronics) / FY97	Grumman Aerospace Corporation Bethpage, Long Island, N.Y.	C-FF	CECOM	DEC 96	MAR 98	22	995,100	YES	NO	N/A
REMARKS:										

BLI NR. 468300

P-1 SHOPPING LIST  
 ITEM NO. 40  
 PAGE NO. 3

EXHIBIT P-5A

"CODE B" ITEM DESCRIPTION		DATE				
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		AN/TPQ-36 FIREFINDER RADAR UPGRADES				
4		RCN: 140075				
1. CURRENT DEVELOPMENT AND TEST STATUS						
a. Developmental Test & Evaluation (DT&E)		Plan/Actual	THE SOFTWARE INTEGRATION TESTING WAS NOT COMPLETED UNTIL DEC 95.			
b. Initial Operational Test & Evaluation (IOT&E)		Plan/Actual				
c. Operational Test & Evaluation (OT&E)		Plan/Actual				
d. Available Date of Technical Data Package (TDP)		Plan/Actual				
or Performance Specifications						
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: SEPT 96						
3. EQUIPMENT ITEM(S) TO BE REPLACED: This is a modification to AN/TPQ-36 FIREFINDER RADAR						
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED: The AN/TPQ-36 (V) 8 Electronics Upgrade will greatly enhance the hostile fire locating capability of the current FIREFINDER RADAR.						
5. DEVELOPMENT CONTRACT INFORMATION (RDT&E Funding Profile - \$ in Millions)						
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THROUGH FY (FY1994)	CY (FY1995)	BY (FY1996)	BEYOND BY
Grumman Aerospace	Great River NY	AN/TPQ-36	\$ .0	\$ .0	\$ .1	\$ .2
			\$	\$	\$	\$
			\$	\$	\$	\$
			\$	\$	\$	\$
			\$	\$	\$	\$
TOTAL RDT&E FUNDING			\$ 0	\$ 0	\$ .1	\$ .2
REMARKS:						
BLI NR. 468300		P-1 SHOPPING LIST		ITEM NO. 40		EXHIBIT P-19
				PAGE NO. 4		

# INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AN/TPQ-36 (V) 7 UPGRADE (DOWNSIZE TO HMMWV)

MODELS OF SYSTEMS AFFECTED: AN/TPQ-36 FIREFINDER RADAR UPGRADES

DESCRIPTION/JUSTIFICATION: This upgrade provides for a downsizing of the current system from five ton trucks to HMMWV's to improve mobility and transportability. The upgrade includes the incorporation of the Modular Azimuth Positioning System (MAPS) which is a self-survey capability that greatly enhances the speed with which the system can be emplaced and reduces the survey support requirements to employ the system.

DEVELOPMENTAL STATUS/  
MAJOR DEVELOPMENT MILESTONES: ADM 4THQTR FY96

FINANCIAL PLAN: (\$ in Millions)

	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$
PROCUREMENT			22					22
Kit Quantity								0.000
Installation Kits								8.200
Install. Kits Nonrecurring			8.200					0.000
Equipment								0.000
Equipment Nonrecurring								0.000
Engineering Change Orders								0.000
Data								0.000
Training Support								0.000
Support Equipment			0.126					0.126
Other								0.000
Interim Contractor Support								0.000

EXHIBIT P-3A INDIVIDUAL MODIFICATION

40-5

INSTALLATION OF HARDWARE

	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY
(FY 1995) Eqpt ( Kits)								0
(FY 1996) Eqpt ( Kits)								0
(FY 1997) Eqpt ( Kits)								0
(FY 1998) Eqpt ( Kits)								0
(FY 1999) Eqpt ( Kits)								22
(FY 2000) Eqpt ( Kits)								0
(TO COMP) Eqpt ( Kits)								0
TOTAL INSTALLATION COST	0	0.000	0	0.000	15	0.758	0	22
TOTAL PROCUREMENT COST	0.000	0.000	8.326	0.300	0.758	0.000	0.000	9.384

METHOD OF IMPLEMENTATION: \_\_\_\_\_ Depot \_\_\_\_\_ ADMIN LEAD-TIME: 4 MONTHS PRODUCTION LEAD-TIME: 13 MONTHS

CONTRACT DATES:

FY 1996 \_\_\_\_\_ FY 1997 FEB 97

DELIVERY DATES:

FY 1996 \_\_\_\_\_ FY 1997 MAR 98

INSTALLING SCHEDULE:

FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TOTAL
1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4

INPUT

1 9 12

OUTPUT

7 7 8

EXHIBIT P-3A INDIVIDUAL MODIFICATION

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AN/TPQ-36 (V) 8 UPGRADE (ELECTRONICS ENHANCEMENT)

MODELS OF SYSTEMS AFFECTED: AN/TPQ-36 FIREFINDER RADAR UPGRADES

DESCRIPTION/JUSTIFICATION: This upgrade provides a new RADAR processor and improved software to enhance the RADARS capabilities by increasing its range and location accuracy. These improvements overcome deficiencies identified during Operation DESERT STORM.

DEVELOPMENTAL STATUS/  
MAJOR DEVELOPMENT MILESTONES: ADM 4THQTR FY 96

FINANCIAL PLAN: (\$ in Millions)

FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$

PROCUREMENT	22						
Kit Quantity							0.000
Installation Kits							21.892
Install. Kits Nonrecurring		21.892					0.000
Equipment							0.000
Equipment Nonrecurring							0.000
Engineering Change Orders							0.000
Data							0.000
Training Support							0.000
Support Equipment							0.162
Other							0.000
Interim Contractor Support							0.000

EXHIBIT P-3A INDIVIDUAL MODIFICATION

INSTALLATION OF HARDWARE

	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
	QTY	\$	QTY	\$	QTY	\$	QTY	\$
(FY 1995) Eqpt ( Kits)								0 0.000
(FY 1996) Eqpt ( Kits)								0 0.000
(FY 1997) Eqpt ( Kits)								0 0.000
(FY 1998) Eqpt ( Kits)				7 0.298	15 0.755			22 1.053
(FY 1999) Eqpt ( Kits)								0 0.000
(FY 2000) Eqpt ( Kits)								0 0.000
(TO COMP) Eqpt ( Kits)								0 0.000
TOTAL INSTALLATION COST	0	0.000	0	0.000	7	0.298	15	0.755
								0 0.000
TOTAL PROCUREMENT COST	0.000	0.000	22.054	0.298	0.755	0.000	0.000	23.107

METHOD OF IMPLEMENTATION: \_\_\_\_\_ Contract \_\_\_\_\_ ADMIN LEAD-TIME: 2 MONTHS PRODUCTION LEAD-TIME: 15 MONTHS

CONTRACT DATES: FY 1996 \_\_\_\_\_ FY 1997 DEC 96 \_\_\_\_\_

DELIVERY DATES: FY 1996 \_\_\_\_\_ FY 1997 MAR 98 \_\_\_\_\_

INSTALLING SCHEDULE:

	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TOTAL
	1	2	3	4	1	2	3
INPUT	4	4	4	4	4	4	4
OUTPUT	14	14	14	14	14	14	14

7 7 8

EXHIBIT P-3A INDIVIDUAL MODIFICATION



BUDGET ACTIVITY: PROCUREMENT MARINE CORPS/BUDGET ACTIVITY: AN/TPQ-36 FIREFINDER RADAR UPGRADES									
DATE: 140075									
FISCAL YEAR: 98									
CALENDAR YEAR: 99									
FISCAL YEAR: 97									
CALENDAR YEAR: 98									
FISCAL YEAR: 96									
CALENDAR YEAR: 97									
FISCAL YEAR: 95									
CALENDAR YEAR: 96									
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FISCAL YEAR: 87									
CALENDAR YEAR: 88									
FISCAL YEAR: 85									
CALENDAR YEAR: 86									

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BUDGET ITEM JUSTIFICATION SHEET							DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:					
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		METEOROLOGICAL SYS AN/TMO-41, MET MEASURING SET (MMS) RCN: 142556					
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000
		21	0	0	0	0	0
COST (IN MILLIONS)	\$	9.4	0.0	0.0	0.0	0.0	0.0
<p>The meteorological measuring set (MMS) is a mobile, fully automated, non-radiating artillery meteorological (MET) system that measures atmospheric parameters of temperature, pressure, relative humidity and wind (speed and direction) from the earth's surface to an altitude of 30km. The data is provided to artillery fire direction centers to correct MET effects upon weapons system ballistic trajectories. The system consists of a processor, UHF antenna, a NAVAID antenna, a lightweight radio direction finding (RDF) antenna, a printer, and a power supply unit.</p> <p>The MMS is designed to provide up to 18 soundings in any 24 hour period. It can be emplaced in 20 min (RDF); 15 min (NAVAID) and displaced in 15 min (RDF); 10 min (NAVAID). A total of 47 systems are being procured by the Army (7 version A; 40 version B) with First Unit Equipped with a version A MMS in March 92.</p> <p>ACQUISITION OBJECTIVE (A/O) = 21</p> <p>FY 1995 21 = 100% OF A/O</p> <p>APPROVAL FOR SERVICE USE = CODE A</p>							

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME AN/TMQ-41, MET MEASURING SET (MMS) RCN (142556)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION ETG BALTIMORE, MD		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	FY 1995 TOTAL COST	FY 1996 UNIT COST	FY 1996 TOTAL COST	FY 1997 UNIT COST	FY 1997 TOTAL COST		
MET measuring Set	A	396413 *	21 8,325						
Radioondes									
ECOs									
Government Support			634						
GFE			384						
ILS Support			98						
* UNIT COST IS AVERAGE OF BOTH FY 1995 CONTRACTS									
TOTAL PROGRAM COST			9441 (7459) (1982)						(511)
Active Component									
Reserve Component									
INITIAL SPARES									
TOTAL COST			9441			0			0
BLI NR. 474400		P-1 SHOPPING LIST ITEM NO. 41		PAGE NO. 2		EXHIBIT P-5			

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										P-1 ITEM NOMENCLATURE:
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 4										METEOROLOGICAL SYS AN/TMQ-41, MET MEASURING SET (MMS) RCN: 142556
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
FY95	ETG, INC. BALTIMORE, MD	C/FFP	USA CECOM	MAY 95	APR 96	10	348,560	YES	NO	N/A
FY95	ETG, INC. BALTIMORE, MD	C/FFP	USA CECOM	SEP 95	AUG 96	11	439,917	YES	NO	N/A

REMARKS:  
THE FIRST CONTRACT FOR (10) SYSTEMS WAS LET ON 31 MAY 95. A LETTER CONTRACT TO PROCURE THE REMAINING (11) SYSTEMS WAS DATED 29 SEP 95. THIS CONTRACT REFLECTED AN INCREASE IN THE NEGOTIATED PRICE.

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: METEOROLOGICAL MEASURING SET (MMS)

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 5  
DEPOT MAINTENANCE FLOAT: 0  
TOTAL: 5

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 4  
II MARINE EXPEDITIONARY FORCE: 4  
III MARINE EXPEDITIONARY FORCE: 3  
SELECTED MARINE CORPS RESERVE: 5  
SUPPORT ESTABLISHMENT: 0  
NORWAY AIR LANDED BRIGADE: 0  
TOTAL: 16

APPROVED ACQUISITION OBJECTIVE

21

41-4

ASSET DYNAMICS

DATE:

ITEM NAME: AN/TM-Q-41, MET MEASURING SET (MMS)

RCN: 142556

E1031

21

TAMCN/DODIC:  
ACQUISITION OBJECTIVE:

ENDING  
INVENTORY  
30 SEP 1993

	FY 1994	FY 1995	FY 1996	FY 1997
GAINS:				
*FY BUDGET		21	0	
*OTHER	0	21	0	0
TOTAL				
LOSSES:				
*COMBAT USMC				
*COMBAT ALLIES				
*PEACETIME				
*WASHOUT				
*SALES				
*OTHER	0	0	0	0
TOTAL				
NET CHANGE (+/-)	0	21	0	0
ASSET POSITION:				
*STD SERVICEABLE		21	21	21
*STD UNSERVICEABLE				
*SUB SERVICEABLE				
*SUB UNSERVICEABLE				
TOTAL	0	21	21	21
\$M VALUE	\$	\$	\$	\$
% A/O ON HAND/FUNDED	0 %	100 %	100 %	100 %

COMMENTS:

FY 1996 RECOMMENDED BUY - QUANTITY:

VALUE: \$ 0 M

FY 1997 RECOMMENDED BUY - QUANTITY:

VALUE: \$ 0 M

BLI NR. 474400

P-1 SHOPPING LIST  
ITEM NO. 41

PAGE NO. 5

EXHIBIT P-20A





**BUDGET ITEM JUSTIFICATION SHEET**

APPROPRIATION/BUDGET ACTIVITY:

PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY

4

P-1 ITEM NOMENCLATURE:

INTELLIGENCE SUPPORT EQUIPMENT

RCN: 142576

QUANTITY	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
	0	0	0	0		0	
COST (IN MILLIONS)	\$ 14.4	\$ 44.3	\$ 26.4	\$ 15.3	\$ 11.4	\$ 0.5	\$ 0.6

This is a composite line of the intelligence equipment which includes:

Secondary Imagery Dissemination System (SIDS)  
 Intelligence Analysis System - (IAS) (MEF)  
 Tactical Remote Sensor System (TRSS)  
 Team Portable Communication System (TPCS)  
 Trojan Spirit II  
 Intelligence Analysis System (TCAC)  
 Commanders Tactical Terminal (CTT)  
 Joint Surveillance/Target Attac Radar System JSTARS)

BLI NR. 474700

P-1 SHOPPING LIST  
 ITEM NO. 42  
 PAGE NO. 1

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORP BUDGET ACTI 4		B. WEAPON MODEL/SERIES/POPULAR NAME INTELLIGENCE SUPPORT EQUIPMENT (ROLL-UP (RCN 142576)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION Various		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995		FY 1996		FY 1997			
		UNIT COST	QTY TOTAL COST	UNIT COST	QTY TOTAL COST	UNIT COST	QTY TOTAL COST		
Secondary Imagery Dissemination System	B				2117		7143		
Intelligence Analysis System (MEF)	A	647					6969		
Tactical Remote Sensor Set	A	13700			678		318		
Team Portable Communications System		12			5814				
Trojan Spirit		56			6879				
Intelligence Analysis System (TCAC)							10982		
Commanders Tactical Terminal (CTT)					12436		960		
Joint Surveillance Target Attack Radar System (JSTARS)					16417				
Initial Spares				(8336)	(2021)		(6986)		
Total Cost			14415		44341		26372		
BLI NR. 474700		P-1 SHOPPING LIST ITEM NO. 42		PAGE NO. 2		EXHIBIT P-5			

BUDGET ITEM JUSTIFICATION SHEET							DATE
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		4	P-1 ITEM NOMENCLATURE: MANPACK SECONDARY IMAGERY DISSEMINATION SYSTEM RCN: 140726				
QUANTITY	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
	0	10	45	0	0	0	0
COST (IN MILLIONS)	\$ 0.0	\$ 2.1	\$ 7.1	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0

Manpack Secondary Imagery Dissemination System provides the MAGTF commander with the capability to collect, store, display, and transmit high priority reconnaissance imagery over organic MAGTF communications assets in near-real-time. This will give the MAGTF commander access to time sensitive reconnaissance imagery. The system will be fielded to ground reconnaissance units within the MAGTF.

AO is 86 systems. A system consists of a base station and 3 out stations. Previous submissions accounted for individual components. Consequently, the unit cost of the system is significantly larger than the unit cost of the individual components.

Approval for service use: FY 95 = CODE B

FY 1996: 13 = 15% OF AO  
FY 1997: 58 = 67% OF AO

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME Manpack Secondary Imagery Dissemination System (RCN 140726)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION Harris Corp., Rochester, NY		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995		FY 1996		FY 1997		QTY	
		UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
MANPACK SIDS	B			150,000	13	153,300	45	6,899	
FACTORY TRAINING						164	241		
WARRANTY						3	3		
TOTAL COST						2117		7143	
BLI NR. 474700		P-1 SHOPPING LIST ITEM NO. 42		PAGE NO. 4		EXHIBIT P-5			

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										
P-1 ITEM NOMENCLATURE:										
MANPACK SECONDARY IMAGERY DISSEMINATION SYSTEM										
RCN: 140726										
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQRD	IF YES WHEN AVAIL
FY 96 Manpack SIDS	Integration of System, Crane, IN.	FFP	Crane IN	Feb 96	Mar 96	13	150,000	Yes	No	N/A
FY 97 Manpack SIDS	Integration of System, Crane, IN	FFP	Crane, IN	Dec 96	Jan 97	45	153,300	Yes	No	N/A
<b>REMARKS;</b> FY 96 quantities are low rate initial production units which will be fielded subsequent to successful OT&E. FY 97 quantities will be procured as options quantities. Overall cost dropped due to using a Common Computer Resource configuration vs Harris Corp. configuration.										

BLI NR. 474700

P-1 SHOPPING LIST  
 ITEM NO. 42  
 PAGE NO. 5

EXHIBIT P-5A

APPROPRIATION/BUDGET ACTIVITY:		"CODE B" ITEM DESCRIPTION	DATE		
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE: MANPACK SECONDARY IMAGERY DISSEMINATION SYSTEM RCN: 140726			
1. CURRENT DEVELOPMENT AND TEST STATUS					
a. Developmental Test & Evaluation (DT&E)	Plan/Actual				
b. Initial Operational Test & Evaluation (IOT&E)	Plan/Actual	N/A			
c. Operational Test & Evaluation (OT&E)	Plan/Actual				
d. Available Date of Technical Data Package (TDP) or Performance Specifications	Plan/Actual				
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: MS III Jul 95 NOTE: MS IIA (LRIP) Sep 94					
3. EQUIPMENT ITEM(S) TO BE REPLACED: None					
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED: N/A					
5. DEVELOPMENT CONTRACT INFORMATION (RDT&E Funding Profile - \$ in Millions)					
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	CY (FY1995)	BY (FY1996)	BEYOND BY
Crane, IN.	Crane, IN.	System	\$	\$ 0.636	\$ 2.323
			\$	\$	\$
			\$	\$	\$
			\$	\$	\$
TOTAL RDT&E FUNDING			\$	\$ 0.636	\$ 2.323
REMARKS: MANPACK SIDS is a COTS/NDI procurement. FY 96 (and beyond) RDT&E funds are for software upgrades.					
BILI NR.	474700	P-1 SHOPPING LIST		EXHIBIT P-19	

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: MANPACK SIDS

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT:

DEPOT MAINTENANCE FLOAT:

TOTAL:

9  
4  
13

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE:

II MARINE EXPEDITIONARY FORCE:

III MARINE EXPEDITIONARY FORCE:

SELECTED MARINE CORPS RESERVE:

SUPPORT ESTABLISHMENT:

NORWAY AIR LANDED BRIGADE:

TOTAL:

22  
18  
10  
21  
2  
0  
73  
86

APPROVED ACQUISITION OBJECTIVE

42-7

ASSET DYNAMICS		DATE:	
TAMCN/DODIC:		ITEM NAME: Manpack Secondary Imagery Dissemination System	
ACQUISITION OBJECTIVE:		RCN: 140726	
TBD		86	

	FY 1994	FY 1995	FY 1996	FY 1997
ENDING INVENTORY 30 SEP 1993				
GAINS:				
*FY BUDGET			13	45
*OTHER				
TOTAL	0	0	13	45
LOSSES:				
*COMBAT USMC				
*COMBAT ALLIES				
*PEACETIME				
*WASHOUT				
*SALES				
*OTHER				
TOTAL	0	0	0	0
NET CHANGE (+/-)	0	0	13	45
ASSET POSITION:				
*STD SERVICEABLE				
*STD UNSERVICEABLE	0	0		58
*SUB SERVICEABLE				
*SUB UNSERVICEABLE				
TOTAL	0	0	13	58
\$M VALUE	\$	\$	2.1	\$ 9.2
% A/O ON HAND/FUNDED	0 %	0 %	15 %	67 %
COMMENTS:	FY 1996 RECOMMENDED BUY - QUANTITY: 13 VALUE: \$ 2.1 M FY 1997 RECOMMENDED BUY - QUANTITY: 45 VALUE: \$ 7.1 M			

BLI NR. 474700	P-1 SHOPPING LIST ITEM NO. 42 PAGE NO. 8	EXHIBIT P-20A
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BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		INTELLIGENCE ANALYSIS SYSTEM (MEF)								
		RCN: 141044								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
		0	0	3	4	0	0	0		
COST (IN MILLIONS)	\$	0.6 \$	0.0 \$	7.0 \$	9.4 \$	0.0 \$	0.0 \$	0.0 \$	0.0	
<p><b>NARRATIVE:</b> The Intelligence Analysis System (IAS) will provide finished intelligence data to the commander in near-real-time, allowing him to act on intelligence, rather than react to events. The IAS consists of three subsystems: IAS (Suites), IAS (MEF) and IAS (Workstations). The IAS will utilize the Integrated Database (IDB) developed by DIA, and will utilize commercial and government developed software.</p> <p>MEF IAS consists of two HMMWV-mounted shelters per system. Each shelter contains a ruggedized file server, communications server, communications interfaces (modems, crypto) and peripherals (CD ROM, tape drives, hard disk drives, plotter, dot matrix and laser printers). The servers will be connected to six workstations on a Local Area Network (LAN).</p> <p>MEF IAS AO = 9 FY 93 &amp; PRIOR: 2 22% OF AO FY 1997: 5 56% OF AO FY 1998: 9 100% OF AO Approval for Service Use: FY 95 = Code B</p>										

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT MARINE CORP BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME INTELLIGENCE ANALYSIS SYSTEM (MEF) RCN: 141044		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION Vitro Corp Oxnard, CA		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	FY 1995 QTY TOTAL COST	FY 1996 UNIT COST	FY 1996 QTY TOTAL COST	FY 1997 UNIT COST	FY 1997 QTY TOTAL COST		
MEF IAS SYSTEMS									
Servers, Peripherals						212,317	3	1,274	
Workstations						24,802	24	595	
Cables and Connectors								150	
Racks								54	
Costs for fielding of the RSC-1X and RSC-2X computer equipment			647						2,290
System Integration Engineering Support									1,401
Integ Logistics Support									1,205
TOTAL COST			647						6,969
BLI NR. 474700		P-1 SHOPPING LIST		ITEM NO. 42		PAGE NO. 11		EXHIBIT P-5	

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:					P-1 ITEM NOMENCLATURE:					
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY					INTELLIGENCE ANALYSIS SYSTEM (MEF)					
					RCN: 141044					
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
FY97 Servers Peripherals Workstations	Vitro Corp Oxnard, CA	C-O	MCSYSCOM	APR97	AUG97	6	212,317	YES	NO	N/A
	Vitro Corp Oxnard, CA	C-O	MCSYSCOM	APR97	AUG97	24	24,802	YES	NO	N/A
REMARKS:										

"CODE B" ITEM DESCRIPTION		DATE			
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 4		P-1 ITEM NOMENCLATURE: INTELLIGENCE ANALYSIS SYSTEM (MEF) RCN: 141044			
1. CURRENT DEVELOPMENT AND TEST STATUS					
a. Developmental Test & Evaluation (DT&E) b. Initial Operational Test & Evaluation (IOT&E) c. Operational Test & Evaluation (OT&E) d. Available Date of Technical Data Package (TDP) or Performance Specifications	Plan/Actual Plan/Actual Plan/Actual Plan/Actual	Nov 95 Feb 96 Apr 96 Nov 96			
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:		NOV 1996			
3. EQUIPMENT ITEM(S) TO BE REPLACED: This is a new capability.					
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:					
5. DEVELOPMENT CONTRACT INFORMATION (RDT&E Funding Profile - \$ in Millions)					
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	CY (FY1995)	BY (FY1996)	BEYOND BY
			\$ 2.9	\$ 1.3	\$ 6.1
			\$	\$	\$
			\$	\$	\$
			\$	\$	\$
			\$	\$	\$
TOTAL RDT&E FUNDING			\$ 2.9	\$ 1.3	\$ 6.1
REMARKS:					
BLI NR. 474700		P-1 SHOPPING LIST		EXHIBIT P-19	
ITEM NO. 42		PAGE NO. 13			

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: IAS (MEF)

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 1  
DEPOT MAINTENANCE FLOAT: 0  
TOTAL: 1

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 2  
II MARINE EXPEDITIONARY FORCE: 2  
III MARINE EXPEDITIONARY FORCE: 2  
SELECTED MARINE CORPS RESERVE: 0  
SUPPORT ESTABLISHMENT: 2  
NORWAY AIR LANDED BRIGADE: 0  
TOTAL: 8

APPROVED ACQUISITION OBJECTIVE

9

412-14

ASSET DYNAMICS		DATE:
TAMCN/DODIC: A2315		ITEM NAME: IAS (MEF)
ACQUISITION OBJECTIVE: 9		RCN: 141044
ENDING INVENTORY 30 SEP 1993		
GAINS:		
*FY BUDGET		
*OTHER		
TOTAL		
LOSSES:		
*COMBAT USMC		
*COMBAT ALLIES		
*PEACETIME		
*WASHOUT		
*SALES		
*OTHER		
TOTAL		
NET CHANGE (+/-)		
ASSET POSITION:		
*STD SERVICEABLE	2	
*STD UNSERVICEABLE		
*SUB SERVICEABLE		
*SUB UNSERVICEABLE		
TOTAL	2	
\$M VALUE	5.0	
% A/O ON HAND/FUNDED	22 %	
COMMENTS:		
*QUANTITIES REPRESENT COMPLETE SYSTEMS.		
FY 1996 RECOMMENDED BUY - QUANTITY:		
FY 1997 RECOMMENDED BUY - QUANTITY:		
FY 1996 RECOMMENDED BUY - VALUE:		
FY 1997 RECOMMENDED BUY - VALUE:		
FY 1996 RECOMMENDED BUY - QUANTITY:		
FY 1997 RECOMMENDED BUY - QUANTITY:		
FY 1996 RECOMMENDED BUY - VALUE:		
FY 1997 RECOMMENDED BUY - VALUE:		
FY 1996 RECOMMENDED BUY - QUANTITY:		
FY 1997 RECOMMENDED BUY - QUANTITY:		
FY 1996 RECOMMENDED BUY - VALUE:		
FY 1997 RECOMMENDED BUY - VALUE:		
FY 1996 RECOMMENDED BUY - QUANTITY:		
FY 1997 RECOMMENDED BUY - QUANTITY:		
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FY 1997 RECOMMENDED BUY - QUANTITY:		
FY 1996 RECOMMENDED BUY - VALUE:		
FY 1997 RECOMMENDED BUY - VALUE:		
FY 1996 RECOMMENDED BUY - QUANTITY:		
FY 1997 RECOMMENDED BUY - QUANTITY:		
FY 1996 RECOMMENDED BUY - VALUE:		
FY 1997 RECOMMENDED BUY - VALUE:</		





BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		TACTICAL REMOTE SENSOR EQUIPMENT (TRSS)								
		RCN: 140156								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
COST (IN MILLIONS)		\$	13.7	0.7	0.3	0.6	3.7	0.5	0.6	
<p>Remote sensor equipment detects the presence of physical disturbances caused by movements within a pre-designated area of surveillance. Coded signals are transmitted or stored/relayed to a monitoring station. The monitoring station provides for analysis of the data to determine type, location, direction of travel, speed, number, and size of detected activity. This information is then forwarded to an intelligence center. The remote sensor equipment includes: hand and air emplaced remote sensors, transmitters, relays, data storage devices, and read-out equipment.</p> <p>This is a roll-up line of various end-items of a set that provides fully-funded units for a sustained capability to the Sensor Control Management Platoon (SCAMP) of the Marine Expeditionary Force (MEF).</p>										
<p>ACQUISITION OBJECTIVE (AO) = 26</p> <p>TRSS Basic System</p> <p>FY 93 &amp; Prior 17 = 65% of AO</p> <p>FY 94 17 = 65% of AO</p> <p>FY 95: 22 = 85% of AO</p> <p>FY 96: 22 = 85% of AO</p> <p>FY 97: 22 = 85% of AO</p> <p>FY 1998-01: 26 = 100% of AO</p> <p>APPROVAL FOR SERVICE USE: FY 95 = CODE A</p>										

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME Tactical Remote Sensor Equipment RCN 140156		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION NAWC-AD, Indianapolis		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	FY 1996 UNIT COST	FY 1997 UNIT COST	QTY TOTAL COST	QTY TOTAL COST	QTY TOTAL COST	QTY TOTAL COST	QTY TOTAL COST
Ground Sensor Set	A				5 LOT				
UGSS (Various Sensors)					3663				
AN/MS-77 SMMS					6531				
RE-1162 Relay Assembly					2237				
AN/USQ-121 RF Monitor					693				
Thermal Imagers	B				0				102
ILS					576				216
Nonrecurring Mfg Costs									
Thermal Imagers Support Cost									
Active Cost					(9200)			(678)	(318)
Reserve Cost					(4500)			(0)	(0)
TOTAL COST					13700			678	318
BLI NR. 474700		P-1 SHOPPING LIST ITEM NO. 42		PAGE NO. 18		EXHIBIT P-5			

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:					P-1 ITEM NOMENCLATURE:					RCN: 140156
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY					TACTICAL REMOTE SENSOR EQUIPMENT					
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
Ground Sensor Set	NAWC-AD Indianapolis	PO/NA	MCSYSCOM	Jul 95	Apr 96	LOT	VARIOUS	YES	NO	N/A
FY95 Unattended Ground Sensor Set (UGSS)										
FY95 AN/USQ-121 Portable RF Monitor	NAWC-AD Indianapolis	PO/NA	MCSYSCOM	May 95	Feb 96	LOT	VARIOUS	YES	NO	N/A
FY95 AN/MSQ-77 Sensor Mobile Monitor Systems (SMMS)	NAWC-AD Indianapolis	PO/NA	MCSYSCOM	Jan 96	Jan 97	5	1.210M	YES	NO	N/A
REMARKS: *Thermal Imagers are part of a LRIP buy. The FY 1996 procurement completes 22 TRSS systems (less Imagers). Naval Air Weapons Center - Aircraft Division, Indianapolis, IN (NAWC-ADI) is the procurement agent for the Marine Corps. For most components, NAWC-ADI orders subassemblies through various C/FFP contracts with industry, then assembles/integrates the end item in house.										

"CODE B" ITEM DESCRIPTION						DATE	
APPROPRIATION/BUDGET ACTIVITY:						P-1 ITEM NOMENCLATURE:	
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY						Tactical Remote Sensor Equipment	
						RCN: 140156	
<b>1. CURRENT DEVELOPMENT AND TEST STATUS</b>							
a. Developmental Test & Evaluation (DT&E)	Plan/Actual	Jan 95	N/A				
b. Initial Operational Test & Evaluation (IOT&E)	Plan/Actual	N/A					
c. Operational Test & Evaluation (OT&E)	Plan/Actual	Aug 96					
d. Available Date of Technical Data Package (TDP) or Performance Specifications	Plan/Actual						
<b>2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:</b> Sept 96							
<b>3. EQUIPMENT ITEM(S) TO BE REPLACED:</b>							
N/A							
<b>4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:</b>							
N/A							
<b>5. DEVELOPMENT CONTRACT INFORMATION (RDT&amp;E Funding Profile - \$ in Millions)</b>							
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	Through PY (FY1994)	CY (FY1995)	BY (FY1996)	BEYOND BY	
NAWC-AD, IN	Indianapolis, IN	Thermal Imager	2.2 \$	0.035 \$	0.17 \$	0	
			\$	\$	\$	\$	
			\$	\$	\$	\$	
			\$	\$	\$	\$	
TOTAL RDT&E FUNDING			2.2 \$	0.035 \$	0.17 \$	0	
REMARKS: OT for TRSS Thermal Imager; this is only TRSS component that has not reached MS III yet.							
BLI NR. 474700		P-1 SHOPPING LIST		ITEM NO. 42		PAGE NO. 20	
						EXHIBIT P-19	

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: TRSS CORE

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 1  
DEPOT MAINTENANCE FLOAT: 3  
TOTAL: 4

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 6  
II MARINE EXPEDITIONARY FORCE: 6  
III MARINE EXPEDITIONARY FORCE: 6  
SELECTED MARINE CORPS RESERVE: 3  
SUPPORT ESTABLISHMENT: 1  
NORWAY AIR LANDED BRIGADE: 0  
TOTAL: 22

APPROVED ACQUISITION OBJECTIVE

26

42-21

ASSET DYNAMICS		DATE:	
TAMCN/DODIC F1040/Roll-Up		ITEM NAME: Tactical Remote Sensor Equipment (Ground Sensor Set)	
ACQUISITION OBJECTIVE: 26		RCN: 140156	
ENDING INVENTORY 30 SEP 1993			
GAINS:		FY 1994	FY 1995
*FY BUDGET		0	5
*OTHER		0	0
TOTAL		0	5
LOSSES:		FY 1996	FY 1997
*COMBAT USMC			
*COMBAT ALLIES			
*PEACETIME			
*WASHOUT			
*SALES			
*OTHER			
TOTAL			
NET CHANGE (+/-)		0	0
ASSET POSITION:			
*STD SERVICEABLE	17	22	22
*STD UNSERVICEABLE			
*SUB SERVICEABLE			
*SUB UNSERVICEABLE			
TOTAL	17	22	22
\$M VALUE	69.0 \$	82.7 \$	82.7 \$
% A/O ON HAND/FUNDED	65 %	85 %	85 %
COMMENTS: Quantities represent completed TRSS Systems FY 1996 RECOMMENDED BUY - QUANTITY: VALUE: \$ 0.7 M			
FY 1997 RECOMMENDED BUY - QUANTITY: VALUE: \$ 0.3 M			
BLI NR. 474700		P-1 SHOPPING LIST	
		PAGE NO. 22	
		EXHIBIT P-20A	



BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		Team Portable COMINT System (TPCS)								
		RCN: 145226								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
			5	0	0	0	0			
COST (IN MILLIONS)	\$	.012 \$	5.8 \$	0.0 \$	0.0 \$	6.7 \$	0.0 \$	0.0 \$	0.0	
<p>The AN/PSQ-9 TPCS will replace the AN/PRD-10 and the AN/GRR-8 as well as add new capability.</p> <p>Acquisition Objective (AO): 11</p> <p>FY 1994: 3 Systems = 27% OF AO  FY 1995: 3 Systems = 27% OF AO  FY 1996: 8 Systems = 72% OF AO</p> <p>APPROVAL FOR SERVICE USE FY 95 = Code A</p> <p>Team Portable Communications Intelligence (COMINT) System (TPCS) is a Semi-automated, man/team transportable signals intelligence system providing intercept, radio direction finding, analysis, reporting and collection management support to the Marine Air Ground Task Force Commander. TPCS is comprised of non-developmental items (NDI) and considered extremely low risk. The first three systems are currently being produced.</p>										

BLI NR.	474700
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P-1 SHOPPING LIST	
ITEM NO.	PAGE NO.
42	24

EXHIBIT P-40



WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME TEAM PORTABLE COMMUNICATIONS INTELLIGENCE (COMINT) SYSTEM (TPCS)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST		
Team Portable COMINT System, AN/PSQ-9	A				5				
WJ-9605 Front Panel Unit				3,251	40		130		
WJ-8654-4 Intercept Receiver				18,310	80		1,465		
TCIM				4,152	35		145		
TOPHUNTER SYSTEM				570,093	5		2,850		
Factory Training							313		
Travel			12				107		
Integ Logistic Support							804		
<b>TOTAL COST</b>			12				5814		
BLI NR. 474700		P-1 SHOPPING LIST ITEM NO. 42		PAGE NO. 25		EXHIBIT P-5			

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										
P-1 ITEM NOMENCLATURE:										
Team Portable COMINT System (TPCS)										
										RCN: 145226
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
Intercept Receiver FY96	Watkins-Johnson Gaithersburg, MD	SS/IDIQ	NSA	Jan 96	Mar 97	80	18,310	Yes	No	N/A
TCIMS FY96	SAIC San Diego, CA	C/IDIQ	PMCHS Ft Monmouth	May 96	Feb 97	35	4,152	Yes	No	N/A
TOPHUNTER SYSTEM FY96	Harris Corp. Melbourne, FL	C/FPI	NSA	Mar 96	Jun 97	5	570,093	Yes	No	N/A
WJ-9605 FRONT PANEL UNIT	Watkins-Johnson Gaithersburg, MD	SS/IDIQ	NSA	Jan 96	Mar 97	40	3,215	Yes	No	N/A
REMARKS: PMSW = Program Manager, Signals Warfare (US Army) USASWC = US Army Signals Warfare Center NSA = National Security Agency, Ft. Meade, MD VHFS = Vint Hill Farms Station, Warrenton, VA										

BLI NR. 474700

P-1 SHOPPING LIST  
ITEM NO. 42

PAGE NO. 26

EXHIBIT P-5A

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: TPCS

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 1  
DEPOT MAINTENANCE FLOAT: 0  
TOTAL: 1

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 5  
II MARINE EXPEDITIONARY FORCE: 4  
III MARINE EXPEDITIONARY FORCE: 0  
SELECTED MARINE CORPS RESERVE: 0  
SUPPORT ESTABLISHMENT: 1  
NORWAY AIR LANDED BRIGADE: 0  
TOTAL: 10

APPROVED ACQUISITION OBJECTIVE

11

42-27

ASSET DYNAMICS		DATE:	
TAMCN/DODIC: A		ITEM NAME: Team Portable COMINT System (TPCS)	
ACQUISITION OBJECTIVE: 11		RCN: 145226	
ENDING INVENTORY 30 SEP 1993		FY 1994	FY 1995
GAINS:			
*FY BUDGET		3	0
*OTHER		0	0
TOTAL		3	5
LOSSES:			
*COMBAT USMC			
*COMBAT ALLIES			
*PEACETIME			
*WASHOUT			
*SALES			
*OTHER			
TOTAL		0	0
NET CHANGE (+/-)		3	5
ASSET POSITION:			
*STD SERVICEABLE		3	8
*STD UNSERVICEABLE			
*SUB SERVICEABLE			
*SUB UNSERVICEABLE			
TOTAL		3	8
\$M VALUE		8.7	14.5
% A/O ON HAND/FUNDED		27 %	73 %
COMMENTS:		FY 1996 RECOMMENDED BUY - QUANTITY: 5	
FY94 PMC PROCURED 32 OF REQUIRED 44 DF SUBSYSTEMS FOR		VALUE: \$ 5.8 M	
THE TPCS. ACCOUNTS FOR APPARENT "SCREW" IN NUMBER OF		FY 1997 RECOMMENDED BUY - QUANTITY: 0 M	
SYSTEMS VS. TOTAL COST PER YEAR		VALUE: \$ 0 M	
BLI NR. 474700	P-1 SHOPPING LIST		EXHIBIT P-20A
ITEM NO. 42	PAGE NO. 28		



BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		TROJAN SPIRIT II								
		RCN: 140746								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
		0	0	0	0	0	0	0	0	
COST (IN MILLIONS)		\$ 0.056	\$ 6.9	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	

TROJAN SPECIAL PURPOSE INTEGRATED REMOTE INTELLIGENCE TERMINAL (SPIRIT) II will provide the MAGTF commander with a mobile, high-throughput, secure, dedicated intelligence satellite communications system which will provide direct, near-real-time connectivity to national agencies via the US Army's TROJAN Switching Center at Fort Belvoir, VA. TROJAN SPIRIT II will utilize commercial satellites to exchange bulk data, voice and imagery products between deployed Marine forces and theater or CONUS-based agencies.

TROJAN SPIRIT II consists of two HMMWV-mounted shelters and a single, towed antenna trailer. The Primary HMMWV Shelter (PHS) contains voice and data processing equipment, modulation equipment, RF electronics and an under-the-hood power generator. The Spare Equipment and Maintenance (SEM) vehicle shall provide maintenance facility workspace and a storage area for communications spare capabilities in support of the TROJAN SPIRIT II. The Power Generation Equipment and Mobile Antenna Platform (MAP) will reside in a single High Mobility Trailer, and will be towed by either the PHS or SEM.

Acquisition Objective: 6

FY 1996: 4 = 67 % OF AO

Approval for Service Use: Code B

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME TROJAN SPIRIT II		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION Electrospace Systems Richardson, TX		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE			FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST
TROJAN SPIRIT II	B					1,271,837	4	5087	
Switch Center Equipment						40,000	4	160	
Spares Package						350,000	4	1400	
ILS								232	
Travel					56				
TOTAL COST								6879	

P-1 SHOPPING LIST  
 ITEM NO. 42  
 PAGE NO. 31

EXHIBIT P-5

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										P-1 ITEM NOMENCLATURE: TROJAN SPIRIT II
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQRD	IF YES WHEN AVAIL
TROJAN SPIRIT II FY 96	Electrospace Systems, Inc. Richardson, TX	C/FFP	US Army - VHFS	Feb 96	Feb 97	4	1,271,837	YES	NO	N/A
REMARKS:										

BLI NR. 474700	P-1 SHOPPING LIST		EXHIBIT P-5A
	ITEM NO. 42	PAGE NO. 32	



"CODE B" ITEM DESCRIPTION		DATE				
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE: TROJAN SPIRIT II				
4		RCN: 140746				
1. CURRENT DEVELOPMENT AND TEST STATUS						
a. Developmental Test & Evaluation (DT&E)	Plan/Actual					
b. Initial Operational Test & Evaluation (IOT&E)	Plan/Actual	NDI				
c. Operational Test & Evaluation (OT&E)	Plan/Actual	APR 93				
d. Available Date of Technical Data Package (TDP)	Plan/Actual	FEB 94				
or Performance Specifications	Plan/Actual	JUN 93				
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:		AUG 95 (ARMY MS IIIB, MAY 94)				
3. EQUIPMENT ITEM(S) TO BE REPLACED:		NONE				
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:		N/A				
5. DEVELOPMENT CONTRACT INFORMATION (RDT&E Funding Profile - \$ in Millions)						
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	Thru PY (FY1994)	CY (FY1995)	BY (FY1996)	BEYOND BY
ELECTROSPACE SYSTEMS, INC	Richardson, TX		1.8\$	\$	\$	\$
				\$	\$	\$
				\$	\$	\$
				\$	\$	\$
				\$	\$	\$
TOTAL RDT&E FUNDING			1.8\$	0	0	0
REMARKS:						

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: TROJAN SPIRIT II

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 0  
DEPOT MAINTENANCE FLOAT: 0  
TOTAL: 0

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 2  
II MARINE EXPEDITIONARY FORCE: 2  
III MARINE EXPEDITIONARY FORCE: 2  
SELECTED MARINE CORPS RESERVE: 0  
SUPPORT ESTABLISHMENT: 0  
NORWAY AIR LANDED BRIGADE: 0  
TOTAL: 6

APPROVED ACQUISITION OBJECTIVE

6

42-34

ASSET DYNAMICS		DATE:	
TAMCN/DODIC:		ITEM NAME: TROJAN SPIRIT II	
ACQUISITION OBJECTIVE:		RCN: 140746	
ENDING INVENTORY 30 SEP 1993		FY 1994	FY 1995
GAINS:			
*FY BUDGET			
*OTHER			
TOTAL			
LOSSES:			
*COMBAT USMC			
*COMBAT ALLIES			
*PEACETIME			
*WASHOUT			
*SALES			
*OTHER			
TOTAL			
NET CHANGE (+/-)			
ASSET POSITION:			
*STD SERVICEABLE			
*STD UNSERVICEABLE			
*SUB SERVICEABLE			
*SUB UNSERVICEABLE			
TOTAL			
\$M VALUE			
% A/O ON HAND/FUNDED			
COMMENTS:		FY 1996 RECOMMENDED BUY - QUANTITY: 4	
		VALUE: \$ 6.9 M	
		FY 1997 RECOMMENDED BUY - QUANTITY: M	
		VALUE: \$ M	
BLI NR. 474700		EXHIBIT P-20A	



BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		INTELLIGENCE ANALYSIS SYSTEM (MEF) (TCAC)								
		RCN: 141044								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
		0	0	4	0	0	0	0		
COST (IN MILLIONS)	\$	0.0	0.0	11.0	0.0	0.0	0.0	0.0		
<p>NARRATIVE: MEF IAS (TCAC) consists of two HMMWV-mounted shelters per system. Each shelter contains a ruggedized file server, communications server, communications interfaces (modems, crypto), radios (UHF, VHF, HF, UHF SATCOM), and peripherals (CD ROM, tape drives, hard disk drives, laser and color printers). The shelters will be connected to four workstations on a LAN.</p> <p>MEF IAS (TCAC) AO = 5 FY 1997: 4 - 80% OF A/O</p> <p>Approval for Service Use: FY 96 = Code B.</p>										

BLI NR. 474700

P-1 SHOPPING LIST  
 ITEM NO. 42  
 PAGE NO. 37

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME INTELLIGENCE ANALYSIS SYSTEM (MEF) (TCAC) RCN: 141044		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION Vitro Corp., Oxnard, CA		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995		FY 1996		FY 1997		QTY	
		UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
MEF IAS (TCAC)								2745	4
ADP Server Set								60	8
Workstations								40	40
Computer Peripherals								58	4
Support Items (Tent, ECU)								43	4
Software & Licenses								386	Lot
Installation/Assembly								750	4
Engineering Support								450	4
ECP Implementation								450	4
Communications Equipment								378	4
									1512
TOTAL COST								10982	
BLI NR. 474700								EXHIBIT P-5	

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										
P-1 ITEM NOMENCLATURE:										
INTELLIGENCE ANALYSIS SYSTEM (MEF) (TCAC)										
RCN: 141044										
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
FY 97	Vitro Corp. Oxnard, CA.	CPFF-O	USN NSCC, Long Beach, CA.	Oct 96	Apr 97	4	Various	YES	NO	N/A
MEF IAS/TCAC										
ADP Server Set										
Workstations										
Computer Peripherals										
Support Items (Tent, ECU)										
Software & License										
Installation/Assembly										
Engineering Support										
ECP Implementation										
Communications Equipment										
REMARKS:										

BLI NR. 474700

P-1 SHOPPING LIST  
 ITEM NO. 42  
 PAGE NO. 39

EXHIBIT P-5A

"CODE B" ITEM DESCRIPTION						DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		INTELLIGENCE ANALYSIS SYSTEM (MEF) (TCAC)				RCN: 141044
<b>1. CURRENT DEVELOPMENT AND TEST STATUS</b>						
a. Developmental Test & Evaluation (DT&E)	Plan/Actual	FEB 95	AUG 94	QUALITY CONTROL PROBLEMS WITH EQUIPMENT		
b. Initial Operational Test & Evaluation (IOT&E)	Plan/Actual	JUL 95	JAN 95			
c. Operational Test & Evaluation (OTE&E)	Plan/Actual					
d. Available Date of Technical Data Package (TDP) or Performance Specifications	Plan/Actual					
<b>2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: JUNE 96</b>						
<b>3. EQUIPMENT ITEM(S) TO BE REPLACED:</b>						
<b>4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:</b>						
<b>5. DEVELOPMENT CONTRACT INFORMATION (RDT&amp;E Funding Profile - \$ in Millions)</b>						
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	CY (FY1995)	BY (FY1996)	BEYOND BY	
			\$	\$	\$	
			\$	\$	\$	
			\$	\$	\$	
			\$	\$	\$	
			\$	\$	\$	
			\$	\$	\$	
TOTAL RDT&E FUNDING			0 \$	0 \$	0 \$	
REMARKS:						
BLI NR. 474700			P-1 SHOPPING LIST		EXHIBIT P-19	



APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: TCAC

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 1  
DEPOT MAINTENANCE FLOAT: 0  
TOTAL: 1

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 2  
II MARINE EXPEDITIONARY FORCE: 2  
III MARINE EXPEDITIONARY FORCE: 0  
SELECTED MARINE CORPS RESERVE: 0  
SUPPORT ESTABLISHMENT: 0  
NORWAY AIR LANDED BRIGADE: 0  
TOTAL: 4

APPROVED ACQUISITION OBJECTIVE

5

42-41

ASSET DYNAMICS		DATE:	
TAMCN/DODIC: ACQUISITION OBJECTIVE:	TBD 5	ITEM NAME: INTELLIGENCE ANALYSIS SYSTEMS (MEF) (TCAC) RCN: 141044	
ENDING INVENTORY 30 SEP 1993		FY 1994	FY 1995
GAINS:			FY 1996
*FY BUDGET			
*OTHER			
TOTAL			
LOSSES:			
*COMBAT USMC			
*COMBAT ALLIES			
*PEACETIME			
*WASHOUT			
*SALES			
*OTHER			
TOTAL			
NET CHANGE (+/-)			
ASSET POSITION:			
*STD SERVICEABLE			
*STD UNSERVICEABLE			
*SUB SERVICEABLE			
*SUB UNSERVICEABLE			
TOTAL			
\$M VALUE			
% A/O ON HAND/FUNDED			
COMMENTS:			
FY 1996 RECOMMENDED BUY - QUANTITY: _____ VALUE: \$ _____			
FY 1997 RECOMMENDED BUY - QUANTITY: _____ VALUE: \$ _____			

EXHIBIT P-20A

BLI NR. 474700

P-1 SHOPPING LIST

BUDGET ACTIVITY: PROCUREMENT MARINE CORPS/BUDGET ACTIVITY:										P-1 ITEM NOMENCLATURE: INTELLIGENCE ANALYSIS SYSTEM (MEP) (TCAC)										RCN 141044									
</																													

APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:		DATE				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		4		COMMANDERS TACTICAL TERMINAL (CTT)				
		RCN: 140736						
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
		0	26				0	0
COST (IN MILLIONS)		0.0	12.4	1.0	5.4	1.0	0.0	0.0
		\$	\$	\$	\$	\$	\$	\$

The CTT comes in two variations, the HYBRID Three-Channel (CTT/H3), AN/USC-55 and the HYBRID Receive Only Three-Channel. These Tactical Intelligence Disseminations Systems receive, decrypt, and process real-time intelligence reports received simultaneously from multiple sources. This will provide near real-time intelligence data to the command, control, and (C2I) elements of the Marine Air Ground Task Force (MAGTF). In addition, the CTT/H3 provides full duplex data and handles communications with an anti-jam capability between the guardrail intelligence processing facility and tactical units. The CTT/H3 systems are being procured by the U.S. Army (PM JSTARS) via a contract with E-Systems. The CTT provides the Marine Corps with a multiservice intelligence dissemination interoperability into the next century meeting criteria by the multi-service intelligence dissemination architecture panel.

ACQUISITION OBJECTIVE (AO): 53

FY 97: 26 = 49% OF A/O

BLI NR. 474700

P-1 SHOPPING LIST  
 ITEM NO. 42  
 PAGE NO. 44

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME COMMANDERS TACTICAL TERMINAL		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION E-SYSTEMS, ST. PETERSBURG, FL.		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST		FY 1996 UNIT COST		FY 1997 UNIT COST		QTY TOTAL COST	
COMMANDERS TACTICAL TERMINAL (CTT)	B			347,415				26 9,033	
MC SHARE OF JOINT PROGRAM OFFICE								1,500	
ANCILLARY EQUIPMENT								1,903	
RECEIVERS								960	
TOTAL COST								12436	
BLI NR. 474700								960	

P-1 SHOPPING LIST  
ITEM NO. 42  
PAGE NO. 43

EXHIBIT P-5

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										
P-1 ITEM NOMENCLATURE:										
COMMANDERS TACTICAL TERMINAL (CTT)										
RCN: 140736										
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RORD	IF YES WHEN AVAIL
FY96 COMMANDERS' TACTICAL TERMINAL (CTT)	E-SYSTEMS, ECI DIV. ST. PETERSBURG, FL.	FFP	U.S. ARMY	MAR 96	MAR 97	26	347,415	YES	NO	N/A
REMARKS:										

BLI NR. 474700

P-1 SHOPPING LIST  
ITEM NO. 42  
PAGE NO. 46

EXHIBIT P-5A

APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		P-1 ITEM Nomenclature: COMMANDERS TACTICAL TERMINAL (CTT)		DATE	
				RCN: 140736	
<b>1. CURRENT DEVELOPMENT AND TEST STATUS</b>					
a. Developmental Test & Evaluation (DT&E)	Plan/Actual	CURRENT	LAST REPORTED	SCHEDULE DATE	
b. Initial Operational Test & Evaluation (IOT&E)	Plan/Actual				
c. Operational Test & Evaluation (OT&E)	Plan/Actual				
d. Available Date of Technical Data Package (TDP) or Performance Specifications	Plan/Actual				
		USMC OT&E NO LONGER PLANNED: Will be tested subsequent of USMC systems, i.e., TERPES, IAS (TCAC), TAOC AND ATACC.			
<b>2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:</b> WILL USE ARMY MS III/APR 96					
<b>3. EQUIPMENT ITEM(S) TO BE REPLACED:</b> NONE					
<b>4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:</b> N/A					
<b>5. DEVELOPMENT CONTRACT INFORMATION</b> (RDTE Funding Profile - \$ in Millions)					
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	CY (FY-1)	BY (FY0)	BEYOND BY
			\$	\$	\$
			\$	\$	\$
			\$	\$	\$
			\$	\$	\$
			\$	\$	\$
TOTAL RDTE FUNDING			\$	\$	\$
REMARKS:					
PROCUREMENT DECISION SIGNED ON 29FEB96.					
BLI NR. 474700		P-1 SHOPPING LIST		EXHIBIT P-19	
		ITEM NO. 42		PAGE NO. 47	

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: COMMANDER'S TACTICAL TERMINAL (CTT)

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 0  
DEPOT MAINTENANCE FLOAT: 0  
TOTAL: 0

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 16  
II MARINE EXPEDITIONARY FORCE: 20  
III MARINE EXPEDITIONARY FORCE: 9  
SELECTED MARINE CORPS RESERVE: 2  
SUPPORT ESTABLISHMENT: 6  
NORWAY AIR LANDED BRIGADE: 0  
TOTAL: 53

APPROVED ACQUISITION OBJECTIVE

53

42-48



ASSET DYNAMICS					
TAMCN/DODIC:	ITEM NAME:	DATE:			
ACQUISITION OBJECTIVE: 53	RCN:				
ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996	FY 1997	
GAINS:					
*FY BUDGET					26
*OTHER					
TOTAL	0	0	0		26
LOSSES:					
*COMBAT USMC					
*COMBAT ALLIES					
*PEACETIME					
*WASHOUT					
*SALES					
*OTHER					
TOTAL	0	0	0		0
ASSET DYNAMICS					
ASSET POSITION:					
*STD SERVICEABLE					
*STD UNSERVICEABLE					
*SUB SERVICEABLE					
*SUB UNSERVICEABLE					
TOTAL	0	0	0		26
\$M VALUE	\$	\$	\$	\$	9.0
% A/O ON HAND/FUNDED	0.0 %	0.0 %	0.0 %	0.0 %	49 %
COMMENTS:					
	FY 1996 RECOMMENDED BUY - QUANTITY: VALUE: \$ M				
	FY 1997 RECOMMENDED BUY - QUANTITY: VALUE: \$ M				

EXHIBIT P-20A  
 BLI NR. 474700  
 P-1 SHOPPING LIST  
 ITEM NO. PAGE NO.

[illegible]

## BUDGET ITEM JUSTIFICATION SHEET

DATE

APPROPRIATION/BUDGET ACTIVITY:

P-1 ITEM NOMENCLATURE: JOINT SURVEILLANCE TARGET ATTACK RADAR SYSTEM (JSTARS)

PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY

4

RCN: 148239

QUANTITY	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
COST (IN MILLIONS)	\$ 0.0	\$ 16.4	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	0	0	0	0	0	0	0
	0.0	16.4	0.0	0.0	0.0	0.0	0.0

The Joint Surveillance Target Attack Radar System (JSTARS) provides near real time targeting data in the form of moving target indicator and synthetic aperture radar (SAR) imagery. JSTARS Common Ground Station (CGS) provides JSTARS imagery reception, processing and connectivity to other CGSs, UAV systems, TACFIRE, AFATDS, Army all Source Analysis System (ASAS) and Trojan Spirit, and ensures MAGTF connectivity and commonality with USA and USAF.

Total AO is to be determined. At a minimum, two JSTARS CGSs will be procured and fielded in accordance with Congress' direction (see report 104-261).

BLI NR. 474700

P-1 SHOPPING LIST  
ITEM NO. 42  
PAGE NO. 51

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME JSTARS RCN: 148239		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION Motorola, Scottsdale, AZ		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST		
JSTARS CGSs				7,250	2		14,500		
CGS System Support							1,917		
TOTAL COST							16,417		
BLI NR. 474700		P-1 SHOPPING LIST ITEM NO. 42		PAGE NO. 52		EXHIBIT P-5			

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										JSTARS
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										
P-1 ITEM NOMENCLATURE:										RCN: 148239
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQRD	IF YES WHEN AVAIL
JSTARS 96	Motorola, Scottsdale, AZ	FFP	PM JSTARS Fort Monmouth NJ	May 96	June 98	2	7,250	Yes	No	N/A
REMARKS:										

APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:		DATE
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY				JSTARS
				RCN: 148239
<b>1. CURRENT DEVELOPMENT AND TEST STATUS</b>				
a. Developmental Test & Evaluation (DT&E)	Plan/Actual	N/A		
b. Initial Operational Test & Evaluation (IOT&E)	Plan/Actual	N/A		
c. Operational Test & Evaluation (OT&E)	Plan/Actual	N/A		
d. Available Date of Technical Data Package (TDP) or Performance Specifications	Plan/Actual	N/A		User evaluations ongoing, including deployment to the Balkins.
<b>2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:</b> MS II LRIP MAR 95				
<b>3. EQUIPMENT ITEM(S) TO BE REPLACED:</b> NONE				
<b>4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:</b> N/A				
<b>5. DEVELOPMENT CONTRACT INFORMATION</b> (RTD&E Funding Profile - \$ in Millions)				
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	CY (FY-1)	BY (FY0)
MOTOROLA	SCOTTSDALE, AZ.	CGS	\$	\$
			\$	\$
			\$	\$
			\$	\$
			\$	\$
TOTAL RTD&E FUNDING			\$ 0	\$ 0
REMARKS:				
JSTARS is a new capability for the Marine Corps. Some RTD&E will be required.				
BLI NR. 474700		ITEM NO. 42		PAGE NO. 29
		P-1 SHOPPING LIST		EXHIBIT P-19

ASSET DYNAMICS		DATE:																																																																																																																																											
TAMCN/DODIC: 2		ITEM NAME: JSTARS																																																																																																																																											
ACQUISITION OBJECTIVE: 2		RCN: 148239																																																																																																																																											
<table border="1"> <thead> <tr> <th></th> <th>ENDING INVENTORY 30 SEP 1993</th> <th>FY 1994</th> <th>FY 1995</th> <th>FY 1996</th> <th>FY 1997</th> </tr> </thead> <tbody> <tr> <td colspan="6"><b>GAINS:</b></td> </tr> <tr> <td>*FY BUDGET</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*OTHER</td> <td></td> <td>0</td> <td>0</td> <td>2</td> <td>0</td> </tr> <tr> <td>TOTAL</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6"><b>LOSSES:</b></td> </tr> <tr> <td>*COMBAT USMC</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*COMBAT ALLIES</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*PEACETIME</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*WASHOUT</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*SALES</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*OTHER</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>TOTAL</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6"><b>NET CHANGE (+/-)</b></td> </tr> <tr> <td></td> <td></td> <td>0</td> <td>0</td> <td>2</td> <td>0</td> </tr> <tr> <td colspan="6"><b>ASSET POSITION:</b></td> </tr> <tr> <td>*STD SERVICEABLE</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*STD UNSERVICEABLE</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*SUB SERVICEABLE</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*SUB UNSERVICEABLE</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TOTAL</td> <td>0</td> <td>0</td> <td>0</td> <td>2</td> <td>2</td> </tr> <tr> <td>\$M VALUE</td> <td>\$</td> <td>\$</td> <td>\$</td> <td>\$ 16.4</td> <td>\$ 16.4</td> </tr> <tr> <td>% A/O ON HAND/FUNDED</td> <td>0.0 %</td> <td>0.0 %</td> <td>0.0 %</td> <td>100 %</td> <td>100 %</td> </tr> </tbody> </table>					ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996	FY 1997	<b>GAINS:</b>						*FY BUDGET						*OTHER		0	0	2	0	TOTAL						<b>LOSSES:</b>						*COMBAT USMC						*COMBAT ALLIES						*PEACETIME						*WASHOUT						*SALES						*OTHER		0	0	0	0	TOTAL						<b>NET CHANGE (+/-)</b>								0	0	2	0	<b>ASSET POSITION:</b>						*STD SERVICEABLE						*STD UNSERVICEABLE						*SUB SERVICEABLE						*SUB UNSERVICEABLE						TOTAL	0	0	0	2	2	\$M VALUE	\$	\$	\$	\$ 16.4	\$ 16.4	% A/O ON HAND/FUNDED	0.0 %	0.0 %	0.0 %	100 %	100 %
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% A/O ON HAND/FUNDED	0.0 %	0.0 %	0.0 %	100 %	100 %																																																																																																																																								
COMMENTS:		FY 1996 RECOMMENDED BUY-QUANTITY : 2 VALUE: \$ 16.4 M FY 1997 RECOMMENDED BUY - QUANTITY: M VALUE: \$																																																																																																																																											
BLI NR. 474700		P-1 SHOPPING LIST ITEM NO. 42 PAGE NO. 51																																																																																																																																											

EXHIBIT P-20A





BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		MODIFICATION KITS (INTEL)								
		RCN: 148239								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
COST (IN MILLIONS)		0	0	0	0	0	0	0	0	
	\$	0.1 \$	0.9 \$	12.0 \$	14.0 \$	15.9 \$	22.3 \$	20.4		
<p>Modifications programmed and budgeted under this line are for the purpose of correcting equipment deficiencies noted after new items are fielded, or to increase operational capabilities of end items previously fielded.</p> <p>The funding profile supports modifications to the following intelligence systems:</p> <p>Intelligence Analysis System MOD</p> <p>Mobile Electronic Warfare Support System (AN/MLQ-36) PIP</p> <p>All items are code A</p>										
MOD	INSTALLING AGENT	INSTALLATION				END ITEM				
IAS MOD	FIELD/NSWC, CRANE, IN	BEGIN: OCT 95							IAS MOD	
MEMORY DATA STORAGE		END: DEC 95								
		BEGIN: OCT 96								
		END: DEC 96								
		BEGIN: OCT 97								
		END: DEC 97								
MEWSS-PIP	UNKNOWN	BEGIN: JUL 98							AN/MLQ-36	
		END: JUL 01								

BUDGET ITEM JUSTIFICATION SHEET

DATE

APPROPRIATION/BUDGET ACTIVITY:

P-1 ITEM NOMENCLATURE:

PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY

MODIFICATION KITS (INTEL)

4

RCN: 148239

MODELS OF SYSTEMS AFFECTED: INTELLIGENCE EQUIPMENT

(\$ IN MILLIONS)

MODIFICATION TITLE

FY 1995

FY 1996

FY 1997

INTELLIGENCE ANALYSIS SYSTEMS MOD

0.120

0.924

0.817

AN/MLQ 36 (A) MEWSS

11.138

TOTAL

0.120

0.924

11.955

BLI NR. 474900

P-1 SHOPPING LIST

ITEM NO.

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-

PAGE NO.

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EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME MODIFICATION KITS (INTEL) (RCN 148239)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995		FY 1996		FY 1997		QTY	
		UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
INTELLIGENCE ANALYSIS SYSTEM MOD	A		LOT 120		LOT 924		LOT 817		
AN/MLQ 36 (A) (MEWSS)	A						2 11,138		
Initial Spares			(229)		(731)		(992)		
TOTAL COST			120		924		11,955		
BLI NR. 474900		P-1 SHOPPING LIST ITEM NO. 43		PAGE NO. 3		EXHIBIT P-5			

PROCUREMENT HISTORY & PLANNING										DATE:	
APPROPRIATION/BUDGET ACTIVITY:										P-1 ITEM NOMENCLATURE: MODIFICATION KITS (INTEL)	
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										RCN: 148239	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL	
IAS MOD											
FY 95	CISCI RALEIGH, NC	OPTION	MCSC/NWSC MCTSSA	JUL95	SEP 95	LOT	120*	YES	NO	N/A	
FY 96	HEWLETT PACKARD CA	OPTION	MCSC/NWSC MCTSSA	MAR 96	SEP 96	LOT	924*	YES	NO	N/A	
FY 97	UNKNOWN	UNKNOWN	MCSC/NWSC MCTSSA	JAN 97	MAR 97	LOT	817*	YES	NO	N/A	
MEWSS AN/MLQ 36 (A)											
FY 97	UNKNOWN	FFP/ COSTED OPT	PMSW VINT HILL FARM	JAN 97	JUL 98	2	5569	YES	NO	N/A	
REMARKS: * ALL UNIT COSTS ARE TOTAL COST.											
BLI NR. 474900										P-1 SHOPPING LIST	
										ITEM NO. 43	
										PAGE NO. 4	
EXHIBIT P-5A											

"CODE B" ITEM DESCRIPTION		DATE			
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY BA-4		P-1 ITEM NOMENCLATURE: MOD KITS INTEL ALL MOBILE ELECTRONIC WARFARE SUPPORT SYSTEM (AN/MLQ 36) (MEWSS) RCN: 143466			
<b>1. CURRENT DEVELOPMENT AND TEST STATUS</b>					
a. Developmental Test & Evaluation (DT&E)	Plan/Actual				
b. Initial Operational Test & Evaluation (IOT&E)	Plan/Actual	N/A			
c. Operational Test & Evaluation (OT&E)	Plan/Actual	N/A			
d. Available Date of Technical Data Package (TDP or Performance Specifications)	Plan/Actual	N/A			
<b>2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:</b>					
<b>3. EQUIPMENT ITEM(S) TO BE REPLACED:</b> AN/ULQ-19 AN/GRC-213 AN/PRD-10 WJ-8618B RT-524A RT-246					
<b>4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:</b>  THE CURRENT AN/MLQ-36 MEWSS SIGNALS INTELLIGENCE AND ELECTRONIC ATTACK IS LIMITED TO VHF FREQUENCY SPECTRUM AND CAN TARGET ONLY SINGLE CHANNEL SIGNALS. THE MEWSS PIP WILL INTERCEPT, DEMODULATE, LOCATE AND JAM MODERN TACTICAL COMMUNICATIONS (FREQ HOPPER RADIO). THERE IS NO OTHER SYSTEM WITH THE USMC THAT WILL MEET THIS REQUIREMENT.					
<b>5. DEVELOPMENT CONTRACT INFORMATION (RDT&amp;E Funding Profile - \$ in Millions)</b>					
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	CY (FY1995)	BY (FY1996)	BEYOND BY
ELECTROSPACE INC. (ESI)	RICHARDSON, TX	SYSTEM INTEGRATION	\$ 7.8	\$ 0	\$ 25.4
TOTAL RDT&E FUNDING			\$ 7.8	\$ 0	\$ 25.4
REMARKS: THE MEWSS PIP IS FULLY FUNDED. APPROXIMATELY 80% RDT&E IS PROVIDED BY NSA DEFENSE CRYPTOLOGIC FUNDS.					
B/LI NR. 474900	P-1 SHOPPING LIST		ITEM NO. - PAGE NO.		EXHIBIT P-19
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# INDIVIDUAL MODIFICATION

MODIFICATION TITLE:

Intelligence Analysis System (IAS)

MODELS OF SYSTEMS AFFECTED:

IAS MODIFICATION

DESCRIPTION/JUSTIFICATION:

The IAS is the fusion center for the Marine Air-Ground Intelligence System (MAGIS). The IAS fuses intelligence information from sensors, signals and communications intelligence, and human sources, and provides this intelligence to the commander and his staff. The IAS is required to interface with a number of tactical and national systems, and must be upgraded in order to maintain these capabilities and to continue functioning as new systems are developed.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES:

MS-II, Jan 93

FINANCIAL PLAN: (\$ in Millions)

RDT&E

PROCUREMENT

Kit Quantity  
Installation Kits  
Install. Kits Nonrecurring  
Equipment  
Equipment Nonrecurring  
Engineering Change Orders  
Data  
Training Support  
Support Equipment  
Other  
Interim Contractor Support

	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
QTY	\$	QTY	\$	QTY	\$	QTY	\$	\$
Lot		LOT	LOT	LOT	LOT	LOT	LOT	0
								0
	0.110	0.903	0.795	1.062	1.184	0.825	0.735	0.000
								0.000
								0.000
								0.000
								5.614
								0.000
	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.070
								0.000
								0.000
								0.000
								0.000

EXHIBIT P-3A INDIVIDUAL MODIFICATION

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FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$
	Lot 0.011	Lot 0.012	Lot 0.160	Lot 0.181	Lot 0.075	Lot 0.175	0 0.000 0 0.000 0 0.011 0 0.012 0 0.160 0 0.181 0 0.075 0 0.175
0.000 Lot	0.011 Lot	0.012 Lot	0.160 Lot	0.181 Lot	0.075 Lot	0.175 Lot	0 0.614
0.120 Lot	0.924 Lot	0.817 Lot	1.232 Lot	1.375 Lot	0.910 Lot	0.920 Lot	0 6.298

TOTAL INSTALLATION COST

TOTAL PROCUREMENT COST

METHOD OF IMPLEMENTATION Contractor/field

ADMIN LEAD-TIME: 5 MONTHS PRODUCTION LEAD-TIME: 6 MONTHS

**CONTRACT DATES:**

FY 1996	MAR 96	FY 1997	JAN 97
---------	--------	---------	--------

**DELIVERY DATES:**

FY 1996	SEP 96	FY 1997	MAR 97
---------	--------	---------	--------

**INPUT**

LOT	LOT	LOT
-----	-----	-----

LOT	LOT	LOT
-----	-----	-----

**OUTPUT**

LOT	LOT	LOT	LOT
-----	-----	-----	-----

LOT	LOT	LOT
-----	-----	-----

EXHIBIT P-3A INDIVIDUAL MODIFICATION

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# INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AN/MLQ 36(A) (MEWSS) PIP

MODELS OF SYSTEMS AFFECTED: ALL MOBILE ELECTRONIC WARFARE SUPPORT SYSTEM (AN/MLQ 36)

DESCRIPTION/JUSTIFICATION: MEWSS PIP is an electronic warfare suite of equipment configured in the highly mobile, survivable Light Armored Vehicle (LAV). This program develops a material change for the current, outdated Electronic Warfare (EW) suite. Threat tactical communications have advanced to complex, modulations requiring computer-intensive, open architecture solutions. MEWSS fulfills the requirement to provide responsive EW support to maneuver commanders, enhanced the ability to defeat the enemy by isolating and suppressing opposing fire control and command and control nets at a critical point of time in the battle. MEWSS PIP will provide detection, location, demodulation of advanced tactical communications. MEWSS PIP incorporates Army Intelligence and Electronic Warfare Common Sensor (IEWCS) electronics.

MAJOR DEVELOPMENT MILESTONES: Phase II Engineering Development Model (EDM). MS IIA Low Rate Initial Production 2nd Qtr96. MS III 1st Qtr97.

FINANCIAL PLAN: (\$ in Millions)

	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$
RD&E								
PROCUREMENT								
Kit Quantity			2	2	2	3	3	0 0.000
Installation Kits								0
Install. Kits Nonrecurring								0.000
Equipment								0.000
Equipment Nonrecurring								0.000
Engineering Change Orders			9.638	10.667	11.509	16.612	16.601	65.027
Data								0.000
Training Support								0.000
Support Equipment								0.000
Other								0.000
Interim Contractor Support								0.000

EXHIBIT P-3A INDIVIDUAL MODIFICATION

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(FY 1995)	Eqpt	( Kits)
(FY 1996)	Eqpt	( Kits)
(FY 1997)	Eqpt	( 2 Kits)
(FY 1998)	Eqpt	( 2 Kits)
(FY 1999)	Eqpt	( 2 Kits)
(FY 2000)	Eqpt	( 3 Kits)
(TO COMP)	Eqpt	( 3 Kits)

TOTAL PROCUREMENT COST

ADMIN LEAD-TIME: 3 MONTHS

PRODUCTION LEAD-TIME: 18 MONTHS

	FY 1996	FY 1997 JAN 97
--	---------	----------------

FY 1996	FY 1997 JUL 98

	<u>FY 1995</u>	<u>FY 1996</u>	<u>FY 1997</u>	<u>FY 1998</u>
1	2	3	4	1
2	3	4	1	2
3	4	1	2	3
4	1	2	3	4

2

2

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P-1 SHOPPING LIST  
ITEM NO. 43 . PAGE NO. 10

**BUDGET ITEM JUSTIFICATION SHEET**

APPROPRIATION/BUDGET ACTIVITY: **PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY** DATE

**P-1 ITEM NOMENCLATURE:**  
ITEMS LESS THAN \$2 MILLION (INTEL)

RCN: 145246

QUANTITY	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
	0	0	0	0	0	0	0
COST (IN MILLIONS)	\$ 1.0	\$ 1.7	\$ 0.0	\$ 0.7	\$ 0.0	\$ 1.8	\$ 0.0

This is a roll-up line which consists of:

Tactical Surveillance Countermeasures (TSCM) - A suite of equipment which provides the Marine Corps Counterintelligence Teams (CIT) with an updated capability to detect clandestine surveillance devices ("bugs") employed by hostile intelligence organizations in a garrison and/or combat environment.

Digital Terrain Analysis Mapping System (DTAMS) - Provides the Topographic Platoons with a portable means to exploit Defense Mapping Agency (DMA) digital mapping products in support of the Marine Air Ground Task Force (MAGTF) and the Photo Interpretation Set.

BLI NR. 475100

P-1 SHOPPING LIST  
ITEM NO. 44 - 1 PAGE NO.

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME ITEMS LESS THAN \$2 MILLION (INTEL) (RCN 145246)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	FY 1995 QTY TOTAL COST	FY 1996 UNIT COST	FY 1996 QTY TOTAL COST	FY 1997 UNIT COST	FY 1997 QTY TOTAL COST		
Technical Surveillance Countermeasures (TSCM)	A	500,000	1 500	500,000	3 1,500				
Contractor Support			24		219				
Program Support			10						
Training									
Travel									
Digital Terrain Analysis Mapping System	A	62,000	2 124						
Initial Factory Training Program Support			387						
Initial Spares			(61)						
TOTAL COST			1045		1,719				
BLI NR. 475100									

P-1 SHOPPING LIST  
 ITEM NO. 44  
 PAGE NO. 2

EXHIBIT P-5

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										
P-1 ITEM NOMENCLATURE:										
ITEMS LESS THAN 2 MILLION (INTEL)										
RCN: (145246)										
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RORD	IF YES WHEN AVAIL
Technical Surveillance Countermeasures (TSCM) FY95	VARIOUS	C/FFP	SAF/FMBMB, AF, PENTAGON WASH, DC	Mar 95	Aug 95	1	500,000	YES	NO	N/A
FY96	VARIOUS	C/FFP	SAF/FMBMB, AF, PENTAGON WASH, DC	MAY 96	NOV 96	3	500,000	YES	NO	N/A
Digital Terrain Analysis Mapping System / FY95	VARIOUS	C/FFP	MCSYSCOM	Mar 95	Jun 95	2	62,000	YES	NO	N/A
REMARKS:										

BLI NR. 475100	P-1 SHOPPING LIST		EXHIBIT P-5A
	ITEM NO.	PAGE NO.	
	44	3	

BUDGET ITEM JUSTIFICATION SHEET

DATE

APPROPRIATION/BUDGET ACTIVITY:

PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY

4

P-1 ITEM NOMENCLATURE:

ELECTRONIC TMDE REPAIR FACILITY

RCN: 140247

QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
		4	0	0	0	0	0	0
COST (IN MILLIONS)	\$	0.7	0.0	0.0	0.0	0.0	0.0	0.0

THE ELECTRONIC TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT REPAIR FACILITY (ETMDEF) CONSISTS OF A SERIES OF WORK STATIONS CONFIGURED TO PROVIDE REPAIR CAPABILITY IN THE FOLLOWING FUNCTIONAL AREAS: AUTOMOTIVE TMDE, ELECTRONIC FREQUENCY COUNTERS (TIME MEASUREMENTS), HIGH POWER RADIO FREQUENCY TMDE, OSCILLOSCOPES, MULTIMETERS, SMALL MISSILE TMDE, MICROPROCESSOR BASED TMDE, AND SOME CALIBRATION STANDARDS.

ACQUISITION OBJECTIVE (A/O): 14

FY 1994 & PRIOR  
FY 1995

10 = 71% OF A/O  
14 = 100% OF A/O

ALL ITEMS ARE CODE A

BLI NR. 481000

P-1 SHOPPING LIST  
ITEM NO. 45  
PAGE NO. 4

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME ELECTRONIC TMDE REPAIR FACILITY (RCN140247)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	UNIT COST	QTY TOTAL COST	FY 1995 UNIT COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST	
ELECTRONIC TMDE REPAIR FACILITY	A			177000		4 708			
TOTAL COST						708	0	0	0

P-1 SHOPPING LIST  
 ITEM NO. 45  
 PAGE NO. 5

EXHIBIT P-5

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE: ELECTRONIC TMDE REPAIR FACILITY					RCN: 140247
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQRD	IF YES WHEN AVAIL
ELECTRONIC TMDE REPAIR FACILITY  FY95	VARIOUS	PO/FFP	BARSTOW	DEC 94	SEP 95	4	177,000	YES	NO	N/A
REMARKS: REVISED A/O WAS COMPLETED IN FY95. REMAINING FUNDS WILL BE USED TO PROCURE SMALL QUANTITIES OF TEST MEASUREMENT AND DIAGNOSTIC EQUIPMENT SUCH AS SAMPLING OSCILLOSCOPES, OPTICAL MULTIMETERS, AND THERMOCOILIMATORS. FY95 ALSO REFLECTS INCREASED DEPOT MAINTENANCE RATE CHANGES.										
BLI NR. 481000					P-1 SHOPPING LIST ITEM NO. 45 PAGE NO. 6					

EXHIBIT P-5A



APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: ELECTRONIC TMDE REPAIR FACILITY

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 0  
DEPOT MAINTENANCE FLOAT: 0  
TOTAL: 0

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 4  
II MARINE EXPEDITIONARY FORCE: 3  
III MARINE EXPEDITIONARY FORCE: 3  
SELECTED MARINE CORPS RESERVE: 1  
SUPPORT ESTABLISHMENT: 3  
NORWAY AIR LANDED BRIGADE: 0  
TOTAL: 14

APPROVED ACQUISITION OBJECTIVE

14

45-7

ASSET DYNAMICS		DATE:																																																																																																																																										
ITEM NAME: ELECTRONIC TMDE REPAIR FACILITY (ETMDERF)		RCN: 140247																																																																																																																																										
TAMCN/DODIC:	A06187																																																																																																																																											
ACQUISITION OBJECTIVE:	14																																																																																																																																											
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<table border="1"> <tr> <td></td> <td>FY 1994</td> <td>FY 1995</td> <td>FY 1996</td> <td>FY 1997</td> </tr> <tr> <td>GAINS:</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*FY BUDGET</td> <td>4</td> <td>4</td> <td></td> <td></td> </tr> <tr> <td>*OTHER</td> <td>0</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>TOTAL</td> <td>4</td> <td>4</td> <td>0</td> <td>0</td> </tr> <tr> <td>LOSSES:</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*COMBAT USMC</td> <td>0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>*COMBAT ALLIES</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*PEACETIME</td> <td>0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>*WASHOUT</td> <td>0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>*SALES</td> <td>0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>*OTHER</td> <td>0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>TOTAL</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>NET CHANGE (+/-)</td> <td>4</td> <td>4</td> <td>0</td> <td>0</td> </tr> <tr> <td colspan="4">ASSET POSITION:</td> </tr> <tr> <td>*STD SERVICEABLE</td> <td>10</td> <td>14</td> <td>14</td> <td>14</td> </tr> <tr> <td>*STD UNSERVICEABLE</td> <td>0</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>*SUB SERVICEABLE</td> <td>0</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>*SUB UNSERVICEABLE</td> <td>0</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>TOTAL</td> <td>10</td> <td>14</td> <td>14</td> <td>14</td> </tr> <tr> <td>\$M VALUE</td> <td>1.3</td> <td>2.0</td> <td>2.0</td> <td>2.0</td> </tr> <tr> <td>% A/O ON HAND/FUNDED</td> <td>71 %</td> <td>100 %</td> <td>100 %</td> <td>100 %</td> </tr> <tr> <td colspan="4">COMMENTS:</td> </tr> <tr> <td colspan="4"> <table border="1"> <tr> <td>FY 1996 RECOMMENDED BUY - QUANTITY:</td> <td>0</td> </tr> <tr> <td>FY 1996 RECOMMENDED BUY - VALUE:</td> <td>\$ 0 M</td> </tr> <tr> <td>FY 1997 RECOMMENDED BUY - QUANTITY:</td> <td>0</td> </tr> <tr> <td>FY 1997 RECOMMENDED BUY - VALUE:</td> <td>\$ 0 M</td> </tr> </table> </td> </tr> <tr> <td>BLI NR. 481000</td> <td colspan="3">P-1 SHOPPING LIST</td> </tr> <tr> <td>ITEM NO. 45</td> <td colspan="3">PAGE NO. 8</td> </tr> <tr> <td colspan="4">EXHIBIT P-20A</td> </tr> </table>					FY 1994	FY 1995	FY 1996	FY 1997	GAINS:					*FY BUDGET	4	4			*OTHER	0	0			TOTAL	4	4	0	0	LOSSES:					*COMBAT USMC	0				*COMBAT ALLIES					*PEACETIME	0				*WASHOUT	0				*SALES	0				*OTHER	0				TOTAL	0	0	0	0	NET CHANGE (+/-)	4	4	0	0	ASSET POSITION:				*STD SERVICEABLE	10	14	14	14	*STD UNSERVICEABLE	0	0			*SUB SERVICEABLE	0	0			*SUB UNSERVICEABLE	0	0			TOTAL	10	14	14	14	\$M VALUE	1.3	2.0	2.0	2.0	% A/O ON HAND/FUNDED	71 %	100 %	100 %	100 %	COMMENTS:				<table border="1"> <tr> <td>FY 1996 RECOMMENDED BUY - QUANTITY:</td> <td>0</td> </tr> <tr> <td>FY 1996 RECOMMENDED BUY - VALUE:</td> <td>\$ 0 M</td> </tr> <tr> <td>FY 1997 RECOMMENDED BUY - QUANTITY:</td> <td>0</td> </tr> <tr> <td>FY 1997 RECOMMENDED BUY - VALUE:</td> <td>\$ 0 M</td> </tr> </table>				FY 1996 RECOMMENDED BUY - QUANTITY:	0	FY 1996 RECOMMENDED BUY - VALUE:	\$ 0 M	FY 1997 RECOMMENDED BUY - QUANTITY:	0	FY 1997 RECOMMENDED BUY - VALUE:	\$ 0 M	BLI NR. 481000	P-1 SHOPPING LIST			ITEM NO. 45	PAGE NO. 8			EXHIBIT P-20A			
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BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		GENERAL PURPOSE MECHANICAL TMDE								
		RCN: 140947								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
COST (IN MILLIONS)	\$	1.0	3.0	3.0	3.8	3.8	4.0	4.1		
<p>This is a composite line which consists of several general purpose mechanical test equipment items and tool sets &amp; kits.</p> <p>Funds are used to buy mechanical test equipment and tools to support the following principal end items: Automotive (e.g. Trucks &amp; HMMWV's); Combat Engineers (e.g. Bulldozers); Ordnance (e.g. Tanks). The test equipment and tools are used by mechanics at all levels of maintenance (i.e. from operator to component rebuild) to restore deadlined items to operational condition. Items procured, range from individual mechanics tool kits to engine and transmission dynamometers.</p> <p>The funding sustains modernization and standardization plans, as well as new requirements identified in support of new principal end items. In some cases, new requirements will supersede planned procurements. The items bought with these funds are non-developmental, commercial-off-the-shelf items (consequently extremely low risk).</p> <p>All items are Code A.</p>										

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME GENERAL PURPOSE MECHANICAL TMDE (RCN 140947)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST		
ECP's FOR AGRS	A								
AGRS (OPTIONS)	A	155,000	2 310						
TOOL KIT, ELECTRO OPTICAL	A								
DYNAMOMETER, ENGINE	A	58,000	10 580	51,000	7 357				
TEST STAND, TRANSMISSION	A			227,000	2 454	233,000	1 233		
TEST BENCH, HYDRAULIC	A			140,000	1 140	111,000	3 333		
CONTACT TEST SET-III (CTS)	A			16,000	125 2,000	16,500	125 2,063		
TEST BENCH, STARTER	A					18,000	18 324		
LOGISTICS SUPPORT	N/A								
ACTIVE COMPONENTS									
RESERVE COMPONENTS									
TOTAL			(1019) (0)		(2664) (315)		(2465) (563)		
BLI NR. 483700			1019		2979		3028		
		P-1 SHOPPING LIST		ITEM NO. 46		PAGE NO. 2		EXHIBIT P-5	

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										
P-1 ITEM NOMENCLATURE:										
GENERAL PURPOSE MECHANICAL TMDE										
RCN: 140947										
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RORD	IF YES WHEN AVAIL
AGRS TEST STAND										
FY 95	EPECO, DENVER, CO	C/FPO	MCSC	MAR 95	MAR 96	2	155,000	YES	NO	N/A
DYNAMOMETER, ENGINE										
FY 95	UNKNOWN	C/FP	MCSC	OCT 95	FEB 96	10	58,000	YES	NO	N/A
FY 96	UNKNOWN	C/FPO	MCSC	JAN 96	MAY 96	7	51,000	YES	NO	N/A
TEST STAND, TRANS (TTS)										
FY 96	UNKNOWN	C/FP	MCSC	JAN 96	APR 96	2	227,000	YES	NO	N/A
FY 97	UNKNOWN	C/FPO	MCSC	JAN 97	APR 97	1	233,000	YES	NO	N/A
TEST BENCH, HYDRAULIC										
FY 96	UNKNOWN	C/FP	MCSC	JAN 96	SEP 96	1	140,000	YES	NO	N/A
FY 97	UNKNOWN	C/FPO	MCSC	JAN 97	SEP 97	3	111,000	YES	NO	N/A
CONTACT TEST SET-III										
FY 96	UNKNOWN	C/FP	MCSC	JAN 96	JAN 97	125	16,000	YES	NO	N/A
FY 97	UNKNOWN	C/FPO	MCSC	JAN 97	JAN 98	125	16,500	YES	NO	N/A
TEST BENCH, STARTER										
FY 97	UNKNOWN	C/FP	MCSC	JAN 97	JAN 98	18	18,000	NO	NO	JAN 96
REMARKS:										

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## BUDGET ITEM JUSTIFICATION SHEET

DATE

APPROPRIATION/BUDGET ACTIVITY:

P-1 ITEM NOMENCLATURE:

PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY

4

NIGHT VISION EQUIPMENT

RCN: 142688

QUANTITY	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
	0	0	0	0	0	0	0
COST (IN MILLIONS)	\$ 39.3	\$ 7.1	\$ 17.2	\$ 0.0	\$ 0.0	\$ 50.0	\$ 52.0

This is a rolled line for Night Vision Equipment consisting of:

AN/PVS-7B Night Vision Goggles

AN/PAQ-4B Infrared Aim Light

Scout Sniper Night Enhancement Device

Laser Warning System

AN/PAS-13 Thermal Weapon Sight

BLI NR. 493000

P-1 SHOPPING LIST  
ITEM NO. 47  
PAGE NO. 1

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME NIGHT VISION EQUIPMENT ROLL-UP RCN: 142688		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION Various		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	FY 1995 QTY TOTAL COST	FY 1996 UNIT COST	FY 1996 QTY TOTAL COST	FY 1997 UNIT COST	FY 1997 QTY TOTAL COST		
AN/PVS-7B NIGHT VISION GOGGLES	A		33,341						
ANCILLARY EQUIPMENT 3X MAGNIFIER	A				2,978				13,487
MONOCULAR NIGHT VISION DEVICE	A								3,695
SCOUT SNIPER NIGHT ENHANCEMENT DEVICE	B								
AN/PAQ-4B INFRARED AIM LIGHT	B		6006				4,152		
GEN III TUBES	B								
Initial Spares			(3895)		(3337)				(957)
TOTAL COST			39,347		7,130				17,182
BLI NR. 493000		P-1 SHOPPING LIST ITEM NO. 47		PAGE NO. 2		EXHIBIT P-5			



BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		Night Vision Equipment AN/PVS-7B NVG								
		RCN: 140178								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
		11,180	0	0	0	0	0	0		
COST (IN MILLIONS)	\$	33.3	7.1	13.5	0.0	0.0	0.0	0.0	0.0	
<p>AN/PVS-7B Night Vision Goggle. The latest Night Vision Goggle, significantly enhances operational capability over previous models. This is a 3rd Generation image intensifying system capable of detecting a man-size target at 250M in starlight and 350M in moonlight. It is 6oz lighter than the current AN/PVS-5 NVG and is three times as sensitive. The system incorporates an automatic high light shut off for protection from bright light and a low battery LED indicator in the display. This system is for ground use only.</p> <p>Acquisition Objective (AO) = 42,604</p> <p>FY93 &amp; Prior = 24835* = 63% AO</p> <p>FY94 = 28556 = 67% AO</p> <p>FY95 = 39724 = 93% AO</p> <p>* Includes NGRE A Qty of 2721</p> <p>Approval for Service Use = FY 94 = Code "A"</p>										

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME AN/PVS-7B NIGHT VISION GOGGLE RCN: 140178		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION ITT/LITTON Roanoke, VA		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995		FY 1996		FY 1997			
		UNIT COST	QTY TOTAL COST	UNIT COST	QTY TOTAL COST	UNIT COST	QTY TOTAL COST		
AN/PVS-7B NVG	A	2,960	11180 33,093						
PRODUCTION ENGINEERING									
ANCILLARY EQUIPMENT 3X MAGNIFIER	A		248	312	9268 2,892				
PRODUCTION ENGINEERING									
MONOCULAR NIGHT VISION DEVICE	A				86		4285 13,241		
PRODUCTION ENGINEERING							246		
GEN III TUBES	B								
PRODUCTION ENGINEERING				2267	1754 3,977				
					175				
Active Component			(20095)		(7130)		(13487)		
Reserve Component			(13246)		(0)		(0)		
TOTAL COST			33,341		7,130		13,487		
BLI NR. 493000		P-1 SHOPPING LIST		ITEM NO. 47		PAGE NO. 4		EXHIBIT P-5	

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										P-1 ITEM NOMENCLATURE:
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										Night Vision Equipment AN/PVS-7B NVG
										RCN: 140178
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
FY 95 AN/PVS-7B	ITT/LITTON ROANOKE, VA	CM-5/FPO	USA CECOM	JAN 95	JAN 96	11180	2960	YES	NO	N/A
FY96 3X MAGNIFIER	ITT/LITTON ROANOKE, VA	CM-2/FPO	USA CECOM	FEB 96	JAN 97	9268	312	YES	NO	N/A
FY 97 MONOCULAR NIGHT VISION DEVICE	ITT/LITTON ROANOKE, VA	CM-2/FPO	USA CECOM	JAN 97	JAN 98	4285	3090	YES	NO	N/A
FY 96 GEN III 25mm TUBES	ITT/LITTON ROANOKE, VA	CM-2FPO	USA CECOM	FEB 96	JAN 97	1754	2267	YES	NO	N/A
REMARKS:										

BLI NR. 493000	P-1 SHOPPING LIST	EXHIBIT P-5A
ITEM NO. 47	PAGE NO. 3	

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: AN/PVS-7B, NIGHT VISION GOGGLES

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 3047  
DEPOT MAINTENANCE FLOAT: 0  
TOTAL: 3047

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 14468  
II MARINE EXPEDITIONARY FORCE: 12541  
III MARINE EXPEDITIONARY FORCE: 3770  
SELECTED MARINE CORPS RESERVE: 7766  
SUPPORT ESTABLISHMENT: 1012  
NORWAY AIR LANDED BRIGADE: 0  
TOTAL: 39557

APPROVED ACQUISITION OBJECTIVE

42604

47-6

## ASSET DYNAMICS

DATE:

ITEM NAME: AN/PVS-7B Night Vision Goggle

RCN: 140178

TAMCN/DODIC:

E1152

ACQUISITION OBJECTIVE:

42,604

ENDING  
INVENTORY  
30 SEP 1993

## GAINS:

\*FY BUDGET

\*OTHER

TOTAL

## LOSSES:

\*COMBAT USMC

\*COMBAT ALLIES

\*PEACETIME

\*WASHOUT

\*SALES

\*OTHER

TOTAL

NET CHANGE (+/-)

## ASSET POSITION:

\*STD SERVICEABLE

\*STD UNSERVICEABLE

\*SUB SERVICEABLE

\*SUB UNSERVICEABLE

TOTAL

\$M VALUE

% A/O ON HAND/FUNDED

COMMENTS: \* INCLUDES NGREA AMOUNT OF 2721.

BLI NR. 493000

P-1 SHOPPING LIST

ITEM NO.

47

PAGE NO.

EXHIBIT P-20A

	FY 1994	FY 1995	FY 1996	FY 1997
	3730	11180		
	0	0		
	3730	11180		
	0	0		
	0	8		
	3	4		
	0	0		
	0	0		
	-9	-12		
	3721	11156		
	28556	39724		
	0	0		
	0	0		
	0	0		
	28556	39724		
	\$ 81.0	\$ 114.3	\$	\$
	63 %	93 %	%	%

FY 1996 RECOMMENDED BUY - QUANTITY:

VALUE: \$

M

FY 1997 RECOMMENDED BUY - QUANTITY:

VALUE: \$

M

PHC PRODUCTION SCHEDULE (4050)														
BUDGET ACTIVITY: PROCUREMENT MARINE CORPS/BUDGET ACTIVITY: P-1 ITEM NONENCLATURE: NIGHT VISION EQUIPMENT														
DATE: _____ FISCAL YEAR: 97														
L A T R														
CALENDAR YEAR: 97														
FISCAL YEAR: 96														
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FISCAL YEAR: 08														
CALENDAR YEAR: 07														
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FISCAL YEAR: 02														
CALENDAR YEAR: 01														
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CALENDAR YEAR: 43														
FISCAL YEAR: 42														
CALENDAR YEAR: 41														
FISCAL YEAR: 40														
CALENDAR YEAR: 39														
FISCAL YEAR: 38														
CALENDAR YEAR: 3														



BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:			P-1 ITEM NOMENCLATURE:							
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY			Night Vision Equipment AN/PAQ4B							
			Infrared Alm Light							
			RCN: 140178							
QUANTITY			FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	
			20,719	0	0	0	0	0	0	0
COST (IN MILLIONS)	\$		6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AN/PAQ-4B Infrared Alm Light. A small, lightweight, infrared aim light that attaches to infantry weapons and is used with image intensified night vision equipment to enhance target acquisition. The device emits a beam of infrared light that is invisible to the naked eye, yet visible out to 600M when viewed with night vision equipment.										
Acquisition Objective (AO) = 29,234										
FY94 = 6000 = 20% of AO										
FY95 = 26719 = 90% of AO										
Approval for Service Use = FY 96 = Code "A"										



WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME AN/PAQ-4B IR AIM LIGHT (RCN 140178)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION Insight Technologies Manchester, NH		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	FY 1995 QTY	FY 1995 TOTAL COST	FY 1996 UNIT COST	FY 1996 QTY	FY 1996 TOTAL COST	FY 1997 UNIT COST	FY 1997 QTY
AN/PAQ-4B IR AIM LIGHT	A	267	20,719	5,532					
PRODUCTION ENGINEERING				256					
ANCILLARY EQUIPMENT				218					
TOTAL COST				6006					
BLI NR. 493000		P-1 SHOPPING LIST ITEM NO. 47		PAGE NO. 11		EXHIBIT P-5			

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										P-1 ITEM NOMENCLATURE: AN/PAQ-4B INFRARED AIM LIGHT
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										RCN: 140178
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQRD	IF YES WHEN AVAIL
FY 95 AN/PAQ-4B	INSIGHT TECH. MANCHESTER, NH	C-2/FPO	USA CECOM	MAR 95	JAN 96	20,719	267	YES	NO	N/A
REMARKS:										

BLI NR. 493000	P-1 SHOPPING LIST	EXHIBIT P-5A
ITEM NO. 47	PAGE NO. 12	

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: AN/PAQ-4B, INFANTRY WEAPONS NIGHT TARGETING DEVICE

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT:  
DEPOT MAINTENANCE FLOAT:  
TOTAL:

3283  
0  
3283

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE:  
II MARINE EXPEDITIONARY FORCE:  
III MARINE EXPEDITIONARY FORCE:  
SELECTED MARINE CORPS RESERVE:  
SUPPORT ESTABLISHMENT:  
NORWAY AIR LANDED BRIGADE:  
TOTAL:

9702  
8275  
2568  
5135  
571  
0  
26251

APPROVED ACQUISITION OBJECTIVE

29534

47-13

ASSET DYNAMICS		DATE:	
TAMCN/DODIC: E0955 ACQUISITION OBJECTIVE: 29,534		ITEM NAME: AN/PAQ-4B INFRARED AIM LIGHT RCN: 140178	
ENDING INVENTORY 30 SEP 1993			
FY 1994		FY 1995	FY 1996
FY 1997			
GAINS:			
*FY BUDGET		20719	
*OTHER		0	
TOTAL		20719	
LOSSES:			
*COMBAT USMC		0	
*COMBAT ALLIES		0	
*PEACETIME		0	
*WASHOUT		0	
*SALES		0	
*OTHER		0	
TOTAL		0	
NET CHANGE (+/-)		20719	
ASSET POSITION:			
*STD SERVICEABLE		26719	
*STD UNSERVICEABLE		0	
*SUB SERVICEABLE		0	
*SUB UNSERVICEABLE		0	
TOTAL		26719	
\$M VALUE		\$ 7.5	
% A/O ON HAND/FUNDED		20 %	90 %
COMMENTS:			
FY 1996 RECOMMENDED BUY - QUANTITY: _____ VALUE: \$ _____ M		FY 1997 RECOMMENDED BUY - QUANTITY: _____ VALUE: \$ _____ M	



## BUDGET ITEM JUSTIFICATION SHEET

DATE

APPROPRIATION/BUDGET ACTIVITY:

P-1 ITEM NOMENCLATURE:

Night Vision Equipment

PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY

4

Scout Sniper Night Enhancement Device (SSNED)

RCN: 140178

QUANTITY	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
COST (IN MILLIONS)	\$ 0.0	\$ 0.0	\$ 3.7	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0

Scout Sniper Night Enhancement Device. A telescopic aiming device attaching to/replacing the existing M40A1 and M82A1A sniper scopes. The SSNED permits precise and accurate rifle fire on selected targets during day/night operations.

Acquisition Objective = 426

FY97 Procurement Quantity = 329 = 77% of AO

Approval for Service Use FY96 = Code "A"

BLI NR. 493000

P-1 SHOPPING LIST

ITEM NO. 47

PAGE NO. 16

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 0		B. WEAPON MODEL/SERIES/POPULAR NAME SCOUT SNIPER NIGHT ENHANCEMENT DEVICE (SSNED) (RCN 140178)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION TO BE DETERMINED		D. DATE
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	FY 1995 QTY TOTAL COST	FY 1996 UNIT COST	FY 1996 QTY TOTAL COST	FY 1997 UNIT COST	FY 1997 QTY TOTAL COST	
SCOUT SNIPER NIGHT ENHANCEMENT DEVICE (SSNED)	A					11141	329	3665
PRODUCTION ENGINEERING								30
Active Component Reserve Component								(3695)
TOTAL COST								(0)
BLI NR. 493000								3,695

P-1 SHOPPING LIST  
ITEM NO. 47  
PAGE NO. 11

EXHIBIT P-5

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										
P-1 ITEM NOMENCLATURE: Night Vision Equipment-- Scout Sniper Night Enhancement Device (SSNED)										RCN: 140178
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
SSNED FY97	UNKNOWN	C-1/FPO	SYSCOM	APR 97	SEP 97	329	11141	NO	UNK	N/A
REMARKS:										

BLI NR. 493000

P-1 SHOPPING LIST  
ITEM NO. 47 - PAGE NO. 18

EXHIBIT P-5A





APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: SCOUT-SNIPER NIGHT ENHANCEMENT DEVICE (SSNED)

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 18  
DEPOT MAINTENANCE FLOAT: 9  
TOTAL: 27

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 88  
II MARINE EXPEDITIONARY FORCE: 72  
III MARINE EXPEDITIONARY FORCE: 32  
SELECTED MARINE CORPS RESERVE: 72  
SUPPORT ESTABLISHMENT: 135  
NORWAY AIR LANDED BRIGADE: 0  
TOTAL: 399

APPROVED ACQUISITION OBJECTIVE

426

47-20

ASSET DYNAMICS		ITEM NAME: Scout Sniper Night Enhancement Device (SSNED)		DATE:	
TAMCN/DODIC: TBD		RCN: 140178			
ACQUISITION OBJECTIVE: 426					
ENDING INVENTORY 30 SEP 1993		FY 1994	FY 1995	FY 1996	FY 1997
GAINS:					
*FY BUDGET		0	0	0	329
*OTHER					
TOTAL		0	0	0	329
LOSSES:					
*COMBAT USMC					0
*COMBAT ALLIES					0
*PEACETIME					0
*WASHOUT					0
*SALES					0
*OTHER					0
TOTAL		0	0	0	0
NET CHANGE (+/-)		0	0	0	329
ASSET POSITION:					
*STD SERVICEABLE					329
*STD UNSERVICEABLE					0
*SUB SERVICEABLE					0
*SUB UNSERVICEABLE					0
TOTAL		0	0	0	329
\$M VALUE		\$	\$	\$	3.7
% A/O ON HAND/FUNDED		0 %	0 %	0 %	77 %
COMMENTS:		FY 1996 RECOMMENDED BUY - QUANTITY 0			
		VALUE: \$ 0 M			
		FY 1997 RECOMMENDED BUY - QUANTITY 329			
		VALUE: \$ 3.7 M			
BLI NR. 493000	P-1 SHOPPING LIST		EXHIBIT P-20A		
	ITEM NO.	PAGE NO.			



BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:		RCN: 144088						
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		4		AUTOMATED DATA PROCESSING						
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
		0	0	0	0	0	0	0	0	
COST (IN MILLIONS)	\$	16.5	23.0	0.0	0.0	0.0	0.0	0.0	0.0	

The Marine Corps ADP program is an aggregation of inter-related data processing disciplines. The overall objective is to achieve modernization and increase processing capacity, both of which are required to allow continued operation of existing automated information systems (AIS) and the implementation of new corporate information management (CIM) automated information systems to support all functional areas. The Marine Corps has a continuing need to upgrade its computer equipment and system software by replacement or augmentation in order to keep pace with user demands and changing technology.

1. REGIONAL COMPUTING CAPACITY PROGRAM. The Marine Corps regional ADP support is comprised of several components including small system computer equipment, proprietary system software products, the Marine Corps Local and Wide Area Exchange (LWX) network, and mainframe connectivity. This support environment was revamped. For the foreseeable future, legacy system ADP support will be provided to the Fleet Marine Forces and supporting establishments by the Defense Mega-Center (DMC) in St. Louis, Missouri, while future Marine Corps enterprise unique systems will be designed, developed, and fielded under a different support structure. This support structure emphasizes distributed computing capabilities in a client-server architecture. In addition, there is an ongoing requirement to maintain the Marine Corps enterprise network infrastructure (servers, routers, hubs, printers, workstations, network and workstation operating system software and end-user application, network management tools, and security systems) to support DOD sponsored and Marine Corps unique client-server applications.

FY 97-01 PROCUREMENT IN BLI 463500.

FUNDING PROFILE	
FY95	FY96 FY97
2726	4625 0

BLI NR. 494200	P-1 SHOPPING LIST ITEM NO. 48 - 1 PAGE NO.	EXHIBIT P-40
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BUDGET ITEM JUSTIFICATION SHEET		DATE						
APPROPRIATION/BUDGET ACTIVITY:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	4							
P-1 ITEM NOMENCLATURE: AUTOMATED DATA PROCESSING		RCN: 144088						
<p>2. SYSTEM SOFTWARE</p> <p>In addition to the application software for pay, supply, manpower, and financial management, computer systems require system software. System software is used to execute and enhance the management of hardware and/or application software and is absolutely essential for data processing operations. Marine Corps Common Computer Resources (CCR) coordinates and manages all system software products within the Marine Corps to include the Banyan Network Operating System which supports the Marine Corps wide area network. These proprietary products are used in conjunction with operating system software to make the system run more efficiently. The products are used to fine tune the system and support a variety of management functions. This software is generally proprietary, requiring annual licensing fees and maintenance support contracts.</p> <p>FY 97-01 PROCUREMENT IN BLI 463500.</p>								
<p>FUNDING PROFILE</p> <table> <tr> <td>FY95</td> <td>FY96</td> <td>FY97</td> </tr> <tr> <td>1995</td> <td>3335</td> <td>0</td> </tr> </table>			FY95	FY96	FY97	1995	3335	0
FY95	FY96	FY97						
1995	3335	0						
BLI NR. 494200	<p>P-1 SHOPPING LIST</p> <table> <tr> <td>ITEM NO.</td> <td>PAGE NO.</td> </tr> <tr> <td>48</td> <td>2</td> </tr> </table>		ITEM NO.	PAGE NO.	48	2		
ITEM NO.	PAGE NO.							
48	2							
EXHIBIT P-40								

BUDGET ITEM JUSTIFICATION SHEET		DATE									
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	4	P-1 ITEM NOMENCLATURE: AUTOMATED DATA PROCESSING									
		RCN: 144088									
<p>3. WORLD WIDE MILITARY COMMAND AND CONTROL SYSTEM (WWMCCS)/GLOBAL COMMAND AND CONTROL SYSTEM (GCCS)</p> <p>Consists of command and control subsystems which enable the National Command Authorities (NCA), the Joint Chiefs of Staff, and commanders at appropriate levels to direct and control the operation of U.S. military forces. These funds provide for the WWMCCS/GCCS computer (microcomputer workstation, terminals, printers) and communications support equipment (modems, multiplexors) to support Marine Corps participation in the WWMCCS/GCCS as directed by the Secretary of the Navy and Chairman, Joint Chiefs of Staff.</p> <p>FY 97-01 PROCUREMENT IN BLI 463100.</p>											
<table border="0" style="margin: auto;"> <tr> <td colspan="3">FUNDING PROFILE</td> </tr> <tr> <td style="text-align: right;">FY95</td> <td style="text-align: right;">FY96</td> <td style="text-align: right;">FY97</td> </tr> <tr> <td style="text-align: right;">8375</td> <td style="text-align: right;">447</td> <td style="text-align: right;">0</td> </tr> </table>			FUNDING PROFILE			FY95	FY96	FY97	8375	447	0
FUNDING PROFILE											
FY95	FY96	FY97									
8375	447	0									
BLI NR. 494200	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">           P-1 SHOPPING LIST            ITEM NO. 48         </td> <td style="width: 50%; text-align: center;">           PAGE NO. 3         </td> </tr> </table>		P-1 SHOPPING LIST ITEM NO. 48	PAGE NO. 3							
P-1 SHOPPING LIST ITEM NO. 48	PAGE NO. 3										

EXHIBIT P-40

BUDGET ITEM JUSTIFICATION SHEET		DATE						
APPROPRIATION/BUDGET ACTIVITY:	P-1 ITEM NOMENCLATURE:							
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	4	AUTOMATED DATA PROCESSING						
		RCN: 144088						
<p>4. TACTICAL SYSTEM SUPPORT EQUIPMENT</p> <p>Required equipment and support for the Marine Corps Tactical System Support Activity efforts on Life Cycle Software Support (LCSS) for tactical systems. Investment items are essential to form the basis of software support for the Marine Corps tactical data systems that are fielded.</p> <p>FY 97-01 PROCUREMENT IN BLI 463500.</p>								
<p>FUNDING PROFILE</p> <table> <tr> <td>FY95</td> <td>FY96</td> <td>FY97</td> </tr> <tr> <td>1387</td> <td>1200</td> <td>0</td> </tr> </table>			FY95	FY96	FY97	1387	1200	0
FY95	FY96	FY97						
1387	1200	0						
BLI NR. 494200	<table> <tr> <td colspan="2">P-1 SHOPPING LIST</td> </tr> <tr> <td>ITEM NO. 48</td> <td>PAGE NO. 4</td> </tr> </table>		P-1 SHOPPING LIST		ITEM NO. 48	PAGE NO. 4		
P-1 SHOPPING LIST								
ITEM NO. 48	PAGE NO. 4							

EXHIBIT P-40



BUDGET ITEM JUSTIFICATION SHEET		DATE						
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE: AUTOMATED DATA PROCESSING	RCN: 144088						
<p>5. MANPOWER AND RESERVE AFFAIRS ADP</p> <p>This centrally managed program will replace outdated ADP equipment. This program will buy a computer to run manpower math models in-house. Currently manpower pays teleprocessing fees to a vendor to operate these models. This program will also purchase compact disk read-only memory players that will transform documents from paper to electronic formats by providing read capability to the field.</p> <p>FY 97-01 PROCUREMENT IN BLI 463500.</p>								
FUNDING PROFILE  <table style="margin: auto;"> <tr> <td style="text-align: right;">FY95</td> <td style="text-align: right;">FY96</td> <td style="text-align: right;">FY97</td> </tr> <tr> <td style="text-align: right;">589</td> <td style="text-align: right;">224</td> <td style="text-align: right;">0</td> </tr> </table>			FY95	FY96	FY97	589	224	0
FY95	FY96	FY97						
589	224	0						
BLI NR. 494200		P-1 SHOPPING LIST ITEM NO. 48      PAGE NO. 5						

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BUDGET ITEM JUSTIFICATION SHEET		DATE						
<b>APPROPRIATION/BUDGET ACTIVITY:</b> PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	<b>P-1 ITEM NOMENCLATURE:</b> AUTOMATED DATA PROCESSING	<b>RCN:</b> 144088						
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>6. CONFLICT S</b></p> <p>Provides the Marine Corps the ability to continue expanding the role of simulating and modeling decision making tools. In order for the Marine Corps to build and maintain a solid presence in the joint wargaming community and continue to provide realistic scenarios and tools, it is imperative to advance with technology. The purchase of hardware and software necessary for these models will allow the Marine Corps to keep pace with other government agencies and to interact in realistic wargaming scenarios.</p> <p>FY 97-01 PROCUREMENT IN BLI 463500.</p> </div> <div style="width: 50%; text-align: center;"> <p><b>FUNDING PROFILE</b></p> <table style="margin: auto;"> <tr> <td>FY95</td> <td>FY96</td> <td>FY97</td> </tr> <tr> <td>1335</td> <td>0</td> <td>0</td> </tr> </table> </div> </div>			FY95	FY96	FY97	1335	0	0
FY95	FY96	FY97						
1335	0	0						
<b>BLI NR.</b> 494200		<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <b>P-1 SHOPPING LIST</b>  <b>ITEM NO.</b> 48      <b>PAGE NO.</b> 6         </div>						

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BUDGET ITEM JUSTIFICATION SHEET		DATE						
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE: AUTOMATED DATA PROCESSING	RCN: 144088						
<p>7. ELECTRONIC DATA INTERCHANGE (EDI)</p> <p>Implementation of EDI in DoD calls for an aggressive program to implement EDI in the next five years. EDI is the automated exchange of electronic forms, instead of paper. Through EDI, the Marine Corps' basic business systems can be modernized, procedural bottlenecks corrected, and overhead costs reduced. This initiative would cover the costs of the computer and software necessary to transmit information electronically.</p> <p>FY 97-01 PROCUREMENT IN BLI 463500.</p>								
<p>FUNDING PROFILE</p> <table border="1"> <tr> <td>FY95</td> <td>FY96</td> <td>FY97</td> </tr> <tr> <td>60</td> <td>71</td> <td>0</td> </tr> </table>			FY95	FY96	FY97	60	71	0
FY95	FY96	FY97						
60	71	0						
BLI NR. 494200	<p>P-1 SHOPPING LIST</p> <table border="1"> <tr> <td>ITEM NO.</td> <td>PAGE NO.</td> </tr> <tr> <td>48</td> <td>7</td> </tr> </table>		ITEM NO.	PAGE NO.	48	7		
ITEM NO.	PAGE NO.							
48	7							

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE: AUTOMATED DATA PROCESSING
4	RCN: 144088	
8. OPTICAL DIGITAL IMAGING (ODI-RMS) <p>Provides the Marine Corps the ability to process, store and retrieve Official Military Personnel Files for all active and reserve Marines in an Optical Digital Imaging (ODI) format. The use of this advanced technology will reduce the current cost of maintaining these records, virtually eliminate their loss, and provide multiple users simultaneous access. An initial investment of \$5M in PMC (in addition to and increase of \$3M over the current O&amp;MMC level of funding) in this ODI technology will save approximately \$46M in operating expenses over a 10-year life cycle.</p> <p>FY 97-01 PROCUREMENT IN BLI 463500.</p>		
FUNDING PROFILE FY95 FY96 FY97 0 3406 0		
BLI NR. 494200	P-1 SHOPPING LIST ITEM NO. 48      PAGE NO. 8	

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	4	AUTOMATED DATA PROCESSING
		RCN: 144088

9. DEFENSE MESSAGE SYSTEM (DMS)

DMS consists of all the hardware, software, procedures, standards, facilities, and personnel used to exchange messages electronically between organizations and individuals in the DoD. The vision of DMS is to provide secure, accountable and reliable message service. Using the Defense Information System Network (DISN) Infrastructure/Global Grid for worldwide connectivity, DMS provides value-added X.400 messaging and X.500 directory services for DoD organizations and individuals. DMS will replace the current AUTODIN system and implemented through the use of Marine Corps acquired computer hardware and local area networks/wide area networks (LANS/WANS) to distribute both organizational and individual electronic messages.

FY 97-01 PROCUREMENT IN BLI 463400.

FUNDING PROFILE		
FY95	FY96	FY97
0	4131	0

BLI NR. 494200	P-1 SHOPPING LIST	EXHIBIT P-40
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BUDGET ITEM JUSTIFICATION SHEET		DATE						
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE: AUTOMATED DATA PROCESSING						
4		RCN: 144088						
10. JOINT RECRUITING INFORMATION SUPPORT SYSTEMS (JRISS)								
<p>JRISS will automate the entire recruiting business process from high level mission planning at the headquarters to prospecting at the canvassing recruiter level. Benefits of the system include one time data entry, forms generation, automated activity reporting, Delayed Entry Program (DEP) tracking, enlistment criteria expert system, electronic distribution of leads, and electronic interface with MEPS, other services and relevant outside agencies. JRISS will be a joint system with all services sharing standardized data definitions in a distributed database. JRISS service specific front-end user interfaces will support the unique recruiting practices of each armed service.</p>								
FY 97-01 PROCUREMENT IN BLI 463500.								
<div style="text-align: center;">             FUNDING PROFILE  <table border="1"> <tr> <td>FY95</td> <td>FY96</td> <td>FY97</td> </tr> <tr> <td>0</td> <td>5608</td> <td>0</td> </tr> </table> </div>			FY95	FY96	FY97	0	5608	0
FY95	FY96	FY97						
0	5608	0						
BLI NR. 494200		P-1 SHOPPING LIST ITEM NO. 48      PAGE NO. 10						

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME AUTOMATED DATA PROCESSING RCN: 144088		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995		FY 1996		FY 1997		QTY	
		UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
REGIONAL COMPUTING			2726				4625		0
SYSTEM SOFTWARE			1995				3335		0
WMCCS/GCCS			8375				447		0
TACTICAL SYSTEMS SUPPORT			1387				1200		0
M&RA ADP			589				224		0
CONFLICT S			1335				0		0
EDI			60				71		0
ODI-RMS			0				3406		0
DMS			0				4131		0
JRISS			0				5608		0
TOTAL COST			16467				23047		0
BLI NR. 494200		P-1 SHOPPING LIST		ITEM NO. 48		PAGE NO. 11		EXHIBIT P-5	

PROCUREMENT HISTORY & PLANNING											DATE:	
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY											P-1 ITEM NOMENCLATURE: AUTOMATED DATA PROCESSING	
4											RCN: 144088	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQDR	IF YES WHEN AVAIL		
1. REGIONAL COMPUTING FY 95 FY 96	VARIOUS VARIOUS	C/FFP C/FFP	LBC SYSCOM	MAR 95 MAR 96	JUL 95 MAY 96	VARIOUS VARIOUS	2,726,000 4,625,000	YES YES	NO NO	N/A N/A		
2. SYSTEM SOFTWARE FY 95 FY 96	VARIOUS VARIOUS	C/FFP C/FFP	LBC SYSCOM	MAR 95 MAR 96	JUL 95 MAY 96	VARIOUS VARIOUS	1,995,000 3,335,000	YES YES	NO NO	N/A N/A		
3. WNMCCS/GCCS FY 95 FY 96	VARIOUS VARIOUS	C/FFP C/T&M	LBC DISA	MAR 95 MAR 96	JUL 95 MAY 96	VARIOUS VARIOUS	8,375,000 447,000	YES YES	NO NO	N/A N/A		
4. TACTICAL SYSTEM SUPPORT EQUIPMENT FY 95 FY 96	VARIOUS VARIOUS	C/FFP C/FFP	MCBCAMPEN MCBCAMPEN	MAR 95 FEB 96	JUL 95 APR 96	VARIOUS VARIOUS	1,387,000 1,200,000	YES YES	NO NO	N/A N/A		
5. M&RA ADP FY 95 FY 96	VARIOUS VARIOUS	C/FFP C/FFP	LBC LBC	MAR 95 FEB 96	JUL 95 APR 96	VARIOUS VARIOUS	589,000 224,000	YES YES	NO NO	N/A N/A		
6. CONFLICT S FY 95	VARIOUS	C/FFP	SYSCOM	JUL 95	SEP 95	VARIOUS	1,335,000	YES	NO	N/A		
7. EDI FY 95 FY 96	VARIOUS VARIOUS	C/FFP C/FFP	LBC LBC	MAR 95 JAN 96	JUL 95 MAR 96	VARIOUS VARIOUS	60,000 71,000	YES YES	NO NO	N/A N/A		
8. ODI-RMS FY 96	UNKNOWN	C/FFP	LBC	JUN 96	JUL 96	VARIOUS	3,406,000	YES	NO	N/A		
9. DMS FY 96	UNKNOWN	C/FFP	ITAC	FEB 96	JAN 97	VARIOUS	4,131,000	YES	NO	N/A		
10. JRISS FY 96	UNKNOWN	C/FFP	ARMY	FEB 96	APR 96	VARIOUS	5,608,000	YES	NO	N/A		
BLI NR. 494200											EXHIBIT P-5A	
P-1 SHOPPING LIST											PAGE NO. 12	
ITEM NO. 48												



BUDGET ITEM JUSTIFICATION SHEET										DATE	
APPROPRIATION/BUDGET ACTIVITY:				P-1 ITEM NOMENCLATURE:						RCN:	
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY				COMMAND POST SYSTEMS ROLL-UP							
4											
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001			
COST (IN MILLIONS)	\$	0.0	0.0	11.4	13.5	33.3	0	0			
THIS IS A ROLLED LINE CONSISTING OF THE FOLLOWING:											
TCO		FY 97	FY 98	FY 99	FY 00	FY 01					
AFATDS	FY 97-99	10.5	9.8	4.6	0	0					
ATACC	FY 99	0	0	11.3	0	0					
GCCS	FY 98-00	0	2.8	16.5	2.1	0					
TOTALS	FY 97-01	0.9	1.0	1.0	1.0	1.0					
		11.4	13.6	33.4	3.1	1.0					
TCO - Tactical Combat Operations AFATDS - Advance Field Artillery Tactical Data System ATACC - Advanced Tactical Air Command Central GCCS - Global Command and Control System											

BLI NR. 463100

P-1 SHOPPING LIST  
 ITEM NO. 49  
 PAGE NO. 1

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME COMMAND POST SYSTEMS ROLL-UP RCN:		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST		
TCO (RCN: 144124)							10490		
GCCS (RCN: 144088)							912		
TOTAL COST								11402	
BLI NR. 463100				P-1 SHOPPING LIST ITEM NO. 49				PAGE NO. 2	

EXHIBIT P-5

BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:		Tactical Combat Operations (TCO)						RCN: 144124
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		4								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
COST (IN MILLIONS)	\$	0.0	0.0	10.5	186	124	0	0		
		0.0	0.0	10.5	9.8	4.6	0.0	0.0		
<p>This procurement covers the microcomputer needs of the TCO program. This program provides digital mapping, messaging, overlay, and related capabilities to Marine commanders and their staffs at the battalion level and above. TCO enables Marines to share a common picture of the battlefield throughout the Marine Air Ground Task Force (MAGTF), thereby allowing commanders to make more timely and effective decisions. This system uses the common core software of the Joint Maritime Command Information System and will allow Marines to share their views of the battlespace not only with each other, but their Navy and Coast Guard counterparts as well.</p>										
<p>THIS ITEM IS CODE A</p> <p>TCO ACQUISITION OBJECTIVE (A/O): 880</p>										
<p>FY95&amp;PRIOR: 98 = 11% OF A/O (See BLI 461000)</p> <p>FY96: 334 = 38% OF A/O</p> <p>FY97: 564 = 64% OF A/O</p> <p>FY98: 750 = 85% OF A/O</p> <p>FY99-01: 874 = 99% OF A/O</p>										
<p>The TCO line ends in FY96 and then falls under the Command Post Systems line in FY97.</p>										

BLI NR. 463100

P-1 SHOPPING LIST

EXHIBIT P-40

ITEM NO. 49

PAGE NO. 3

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME Tactical Combat Operations (TCO) RCN: 144124		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	FY 1995 QTY TOTAL COST	FY 1996 UNIT COST	FY 1996 QTY TOTAL COST	FY 1997 UNIT COST	FY 1997 QTY TOTAL COST		
Hardware Costs									
TAC IV Computer	A					37600	230 8648		
TAC IV Expansion Box	A					14750	60 885		
TCIM (Army MODEM)	A					8418	56 471		
Transit Cases	A					618	290 179		
SUPPORT COSTS									
ILS									97
Program Management									102
Factory Training/									108
Travel									
TOTAL COST									10490
BLI NR. 463100		P-1 SHOPPING LIST		ITEM NO. 49		PAGE NO. 4		EXHIBIT P-5	

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:					P-1 ITEM NOMENCLATURE:					
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY					Tactical Combat Operations (TCO)					RCN: 144124
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
TAC-IV FY97	HEWLETT PACKARD CHESAPEAKE, VA	C/FFP	PORTSMOUTH NAVAL SHIPYARD	Dec 96	Feb 97	230	37600	YES	NO	N/A
TAC-IV Expansion Box FY97	HEWLETT PACKARD CHESAPEAKE, VA	C/FFP	PORTSMOUTH NAVAL SHIPYARD	Dec 96	Feb 97	60	14750	YES	NO	N/A
TCIM FY97	SAIC, SAN DIEGO, CA	C/FFP	US ARMY CECOM	Oct 96	Jan 97	56	8418	YES	NO	N/A
Transit Cases FY97	PACKAGING STRATEGIES, INC., BALTIMORE, MD.	C/FFP	NISE EAST MCS	Oct 96	Jan 97	290	618	YES	NO	N/A
REMARKS:										

BLI NR. 463100

P-1 SHOPPING LIST  
 ITEM NO. 49  
 PAGE NO. 5

EXHIBIT P-5A

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: TACTICAL COMBAT OPERATIONS

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 81  
DEPOT MAINTENANCE FLOAT: 99  
TOTAL: 180

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 199  
II MARINE EXPEDITIONARY FORCE: 203  
III MARINE EXPEDITIONARY FORCE: 136  
SELECTED MARINE CORPS RESERVE: 122  
SUPPORT ESTABLISHMENT: 40  
NORWAY AIR LANDED BRIGADE: 0  
MARITIME PREPOSITIONING FORCE: 0  
TOTAL: 700

WRMR/MPF OFFSET

(0)

APPROVED ACQUISITION OBJECTIVE

880

49-6

ASSET DYNAMICS		DATE:			
TAMCN/DODIC: ACQUISITION OBJECTIVE:	A2534 880	ITEM NAME: Tactical Combat Operations (TCO) RCN: 144124			
	ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996	FY 1997
GAINS:					
*FY BUDGET			98	236	230
*OTHER			0	0	0
TOTAL		0	98	236	230
LOSSES:					
*COMBAT USMC			0	0	0
*COMBAT ALLIES			0	0	0
*PEACETIME			0	0	0
*WASHOUT			0	0	0
*SALES			0	0	0
*OTHER			0	0	0
TOTAL		0	0	0	0
NET CHANGE (+/-)		0	98	236	230
ASSET POSITION:					
*STD SERVICEABLE			98	334	564
*STD UNSERVICEABLE			0	0	0
*SUB SERVICEABLE			0	0	0
*SUB UNSERVICEABLE			0	0	0
TOTAL	0	0	98	334	564
\$M VALUE	\$	\$	5.2	16.0	26.5
% A/O ON HAND/FUNDED	0 %	0 %	11 %	38 %	64 %
COMMENTS:					
FY 95 See BLI NR. 461000	FY 1996 RECOMMENDED BUY - QUANTITY: 236				
FY 96 See BLI NO. 461300	VALUE: \$ 10.8 M				
	FY 1997 RECOMMENDED BUY - QUANTITY: 230				
	VALUE: \$ 10.5 M				
BLI NR. 463100	P-1 SHOPPING LIST	ITEM NO.	PAGE NO.	EXHIBIT P-20A	
	49	7			

[illegible]



## DATE \_\_\_\_\_

**APPROPRIATION/BUDGET ACTIVITY:**

P-1 ITEM NOMENCLATURE:

## PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY

Global Command and Control Systems (GCCS)

RCN: 144088

		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY			0	0	0	0	0	0
COST (IN MILLIONS)		\$	0.0 \$	0.0 \$	0.9 \$	1.0 \$	1.0 \$	1.0 \$

1. Global Command and Control System (GCCS). Consists of command and control subsystems which enable the National Command Authorities (NCA), the Joint Staff, and commanders at appropriate levels to direct and control the operation of U.S. military forces. These funds provide for the GCCS hardware (servers, workstations, printers) and communications support equipment (hubs, routers, net encryption devices, modems, and cabling) to support Marine Corps participation in the GCCS as directed by the Secretary of the Navy and Chairman, Joint Staff.

## Funding Profile

FY 95	FY 96	FY 97
0	0	912

BLI NR. 463100

P-1 SHOPPING LIST	
ITEM NO.	PAGE NO.

**EXHIBIT P-40**

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME Global Command and Control System RCN: 144088		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION Various		D. DATE
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	FY 1995 QTY TOTAL COST	FY 1996 UNIT COST	FY 1996 QTY TOTAL COST	FY 1997 UNIT COST	FY 1997 QTY TOTAL COST	
GLOBAL COMMAND AND CONTROL SYSTEM			0		0		912	
TOTAL COST			0		0		912	
BLI NR. 463100		P-1 SHOPPING LIST ITEM NO. 49      PAGE NO. 10						

EXHIBIT P-5

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										
P-1 ITEM NOMENCLATURE:										
Global Command and Control Systems (GCCS)										
RCN: 144088										
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
1. GCCS FY 97	Various	C/FPP	VARIOUS	JAN 97	MAY 97	VAR	912,000	NO	NO	N/A
REMARKS:										

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BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:										
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										4
P-1 ITEM NOMENCLATURE:										
MANEUVER C2 SYSTEMS ROLL-UP										RCN:
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
COST (IN MILLIONS)	\$	0.0	0.0	7.6	11.1	27.9	16.2	12.9		
THIS IS A ROLLED LINE CONSISTING OF THE FOLLOWING:										
		FY97	FY98	FY99	FY00	FY01				
JTIDS	FY97-FY98	2.8	2.1	0	0	0				
DACT	FY97-FY99	4.8	9.0	9.0	3.6	0				
PLRS	FY99	0	0	18.9	0	0				
COMBAT ID SYS	FY00-FY01	0	0	0	12.6	12.9				
JTIDS - JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM										
DACT - DATA AUTOMATED COMMUNICATIONS TERMINAL										
PLRS - POSITION LOCATION REPORTING SYSTEM										

BLI NR. 463200

P-1 SHOPPING LIST  
 ITEM NO. 50 - 1  
 PAGE NO.

EXHIBIT P-40

WEAPON SYSTEM COST. ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME MANEUVER C2 SYSTEMS ROLL-UP		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE			FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST
Joint Tactical Information Distribution System (JTIDS) Class 2 Terminal (RCN: 041693)	B								2840
Data Automated Communications Terminal (DACT) (RCN: 144058)	B								4752
TOTAL COST									7592
BLI NR. 463200				P-1 SHOPPING LIST ITEM NO. 50		PAGE NO. 2		EXHIBIT P-5	

BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM								
		RCN: 041693								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
		0	0	0	0	0	0	0		
COST (IN MILLIONS)	\$	0.0 \$	0.0 \$	2.8 \$	2.1 \$	0.0 \$	0.0 \$	0.0 \$	0.0	
<p>THIS IS A ROLL-UP LINE FOR THE JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS).</p> <p>THE JTIDS TERMINAL PROVIDES A HIGH-CAPACITY, JAM RESISTANT, SECURE, DIGITAL COMMUNICATIONS CAPABILITY FOR THE TACTICAL COMMAND AND CONTROL (C2) PLATFORMS.</p> <p>THIS PROJECT PROCURES JTIDS CLASS 2/2H TERMINALS FOR THE FOLLOWING USMC HOST PLATFORMS: TACTICAL AIR OPERATIONS MODULE (TAOM), ADVANCED TACTICAL AIR COMMAND CENTRAL (ATAACC), AND AIR DEFENSE COMMUNICATIONS PLATFORM (ADCP). THIS PROJECT ALSO PROCURES HARDWARE (INCLUDING GOVERNMENT FURNISHED PROPERTY (GFP)) REQUIRED TO INTEGRATE THE JTIDS CAPABILITY INTO THE TAOM AND THE ATACC.</p> <p>ACQUISITION OBJECTIVE (A/O): CLASS 2 TERMINALS = 25</p> <p>FY 95: 9 = 36% OF AO</p> <p>FY 96: 19 = 76% OF AO (INCLUDES 2 PRODUCTION UPGRADE KITS)</p> <p>FY 97: 24 = 96% OF AO (INCLUDES 3 PRODUCTION UPGRADE KITS)</p> <p>FY 98-01: 25 = 100% OF AO (INCLUDES 1 PRODUCTION UPGRADE KIT)</p> <p>FY 95-96 PROCUREMENT IN BLI 421300.</p>										

BLI NR. 463200

P-1 SHOPPING LIST  
 ITEM NO. 50  
 PAGE NO. 3

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS) RCN: 041693		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	FY 1995 QTY TOTAL COST	FY 1996 UNIT COST	FY 1996 QTY TOTAL COST	FY 1997 UNIT COST	FY 1997 QTY TOTAL COST		
JTIDS CLASS 2 TERMINAL	B					578,452	2	1157	
HIGH POWER AMPLIFIER GROUP (HPAG)									
PRODUCTION UPGRADE KIT FOR FSD TERMINAL						306,588	3	920	
CENTRAL SOFTWARE SUPPORT ACTIVITY/INTERMEDIATE SOFTWARE SUPPORT ACTIVITY								378	
SUPPORT COSTS								385	
Active Component								(2262)	
Reserve Component								( 578)	
Initial Spares								(3811)	
TOTAL COST			0		0		0	2840	
BLI NR. 463200		P-1 SHOPPING LIST							
		ITEM NO. PAGE NO.							
		50 - 4							

EXHIBIT P-5



PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										P-1 ITEM NOMENCLATURE:
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM
										RCN: 041693
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RORD	IF YES WHEN AVAIL
JTIDS CLASS 2 TERMINAL FY 97	GEC-MARCONI-TOTOWA FFP NJ/ROCKWELL-COLLINS CEDAR RAPIDS IA		USAF, ESC HANSCOM	JUN 97	JUN 99	2	578,452	YES	NO	N/A
PRODUCTION UPGRADE FOR FSD TERMINAL (CLASS 2) FY 97	GEC-MARCONI-TOTOWA FFP NJ/ROCKWELL-COLLINS CEDAR RAPIDS IA		USAF, ESC	JUN 97	JUN 99	3	306,588	YES	NO	N/A
REMARKS:										

"CODE B" ITEM DESCRIPTION		DATE				
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE: JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM RCN: 041693				
1. CURRENT DEVELOPMENT AND TEST STATUS						
a. Developmental Test & Evaluation (DT&E)		Plan/Actual				
b. Initial Operational Test & Evaluation (IOT&E)		Plan/Actual				
c. Operational Test & Evaluation (OT&E)		Plan/Actual				
d. Available Date of Technical Data Package (TDP) Plan/Actual or Performance Specifications						
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:		MAR 1995 (DAB III)				
3. EQUIPMENT ITEM(S) TO BE REPLACED:		N/A				
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:						
N/A						
5. DEVELOPMENT CONTRACT INFORMATION (RDT&E Funding Profile - \$ in Millions)						
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THROUGH FY (FY1994)	CY (FY1995)	BY (FY1996)	BEYOND BY
GEC-MARCONI	TOTOWA, NJ	CLASS 2 TERMINAL	\$ 4.6	\$ 0.05	\$ 0.05	\$ 0.25
GEC-MARCONI	TOTOWA, NJ	CLASS 2 HPAG	\$ 2.7	\$ 0	\$ 0	\$ 0
			\$	\$	\$	\$
			\$	\$	\$	\$
			\$	\$	\$	\$
			\$	\$	\$	\$
TOTAL RDT&E FUNDING			\$ 7.3	\$ 0.05	\$ 0.05	\$ 0.25
REMARKS:						
(1) AUG 92 DEFENSE ACQUISITION EXECUTIVE SUMMARY (DAES): CLASS 2H (MCE) FIRST PSD TERMINAL DELIVERY.						
(2) AUG 92 DAES: CLASS 2 (F15) IOT&E COMPLETE.						
(3) AUG 92 DAES: COMPLETION DATE FOR JTIDS MULTI-SERVICE OT.						
(4) AUG 92 DAES: LRIP (LOT 1) CONTRACT AWARD.						
BLI NR. 463200		P-1 SHOPPING LIST		ITEM NO. 50		PAGE NO. 6
						EXHIBIT P-19

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 0  
DEPOT MAINTENANCE FLOAT: 3  
TOTAL: 3

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 4  
II MARINE EXPEDITIONARY FORCE: 4  
III MARINE EXPEDITIONARY FORCE: 4  
SELECTED MARINE CORPS RESERVE: 4  
SUPPORT ESTABLISHMENT: 6  
NORWAY AIR LANDED BRIGADE: 0  
TOTAL: 22

APPROVED ACQUISITION OBJECTIVE

25

50-7

ASSET DYNAMICS		DATE:	
TAMCN/DODIC: A08837G	ITEM NAME: JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM RCN: 041693		
ACQUISITION OBJECTIVE: 25			
GAINS:	FY 1994	FY 1995	FY 1996
*FY BUDGET			
*OTHER			
TOTAL	0	0	0
LOSSES:			
*COMBAT USMC			
*COMBAT ALLIES			
*PEACETIME			
*WASHOUT			
*SALES			
*OTHER			
TOTAL	0	0	0
NET CHANGE (+/-)	0	0	0
ASSET POSITION:			
*STD SERVICEABLE	0	9	19
*STD UNSERVICEABLE			
*SUB SERVICEABLE			
*SUB UNSERVICEABLE			
TOTAL	0	9	19
\$M VALUE	\$ 0.7	\$ 5.7	\$ 12.6
% A/O ON HAND/FUNDED	0 %	36 %	76 %
			96 %
COMMENTS:			
FY 97 OTHER-QUANTITY ARE UPGRADES OF THREE FSD TERMINALS.	FY 1996 RECOMMENDED BUY - QUANTITY: _____ VALUE: \$ _____ M		
FY 94-96 JTIDS EXHIBITS LOCATED AT BLI 421300.	FY 1997 RECOMMENDED BUY - QUANTITY: _____ VALUE: \$ _____ 5 2.8 M		
BLI NR. 463200	P-1 SHOPPING LIST	ITEM NO. 50	PAGE NO. 8
			EXHIBIT P-20A

BUDGET ACTIVITY: PROCUREMENT MARINE CORPS/BUDGET ACTIVITY: 4										P-1 ITEM NOMENCLATURE: JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM										DATE: 041693										RCN: 041693									
PROGRAM QUANTITY										FISCAL YEAR: 97										FISCAL YEAR: 98										FISCAL YEAR: 99									
ACC BAL										CV: 96										CALENDAR YEAR: 97										CALENDAR YEAR: 98									
PRIORITY										1 OCT										1 OCT										1 OCT									
FY 95										95										96										97									
FY 96										96										97										98									
FY 97										97										98										99									
FY 98										98										99										00									
FY 99										99										00										01									
U/M										V										R										R									
ITEM AND MANUFACTURER										U/M										V										R									
CL2 TERMINAL										GEC/ROCKWELL										1										1									
CL2 TERMINAL (RESERVE)*										GEC/ROCKWELL										1										1									
CL2 PRODUCTION UPGRADE										GEC/ROCKWELL										1										1									
TOTALS										5										5										5									

MANUFACTURER'S NAME & LOCATION		REACHED	
GEC - TOYAMA, NJ		D+	
ROCKWELL, CEDAR RAPIDS, IA			
BLI NR. 463200			
P-1 SHOPPING LIST			
ITEM NO. 50		PAGE NO. 9	
EXHIBIT P-21			

REMARKS:  
\*RESERVE LINE IS NON-ADDITIVE

PROCUREMENT LEAD TIME			
ADMIN LEAD TIME		MANU-FACTURING TIME	
PRIOR	AFTER	TOTAL	
1 OCT	1 OCT	1 OCT	32
8	24		

BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:		DATA AUTOMATED COMMUNICATIONS TERMINAL (DACT)						
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		4		RCN: 144058						
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
COST (IN MILLIONS)	\$	0.0	0.0	4.8	9.0	9.0	3.6	0.0		
<p>The Data Automated Communications Terminal (DACT) program provides digital mapping, messaging, overlay, and related capabilities to Marine commanders and their staffs at all levels of command. They enable Marines to share a common picture of the battlefield throughout the task force, thereby allowing commanders to make more timely and effective decisions. This system uses the common core software of the Joint Maritime Command Information System and will allow Marines to share their views of the battlespace not only with each other, but their Navy and Coast Guard counterparts as well.</p> <p>THIS ITEM IS CODE B</p> <p>DACT ACQUISITION OBJECTIVE (A/O): 4124</p> <p>VEHICLE MOUNTED: 1,121</p> <p>HANDHELD: 3,003</p> <p>HAND HELD DACT: AO 3003</p> <p>FY97: 400 = 13% OF A/O</p> <p>FY98: 1201 = 40% OF A/O</p> <p>FY99-01: 3003 = 100% OF A/O</p>										

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME DATA AUTOMATED COMMUNICATIONS TERMINAL (DACT) (RCN: 144058)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION UNKNOWN		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995		FY 1996		FY 1997		QTY	
		UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
SUPPORT COSTS									391
HANDHELD VERSION (COMPUTER)						10,913	400		4361
TOTAL COST			0		0		0		4752
BLI NR. 463200		P-1 SHOPPING LIST ITEM NO. 50		PAGE NO. 11		EXHIBIT P-5			

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										P-1 ITEM NOMENCLATURE: DATA AUTOMATED COMMUNICATIONS TERMINAL (DACT) RCN: 144058
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 4										
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQRD	IF YES WHEN AVAIL
HANDHELD	UNKNOWN	C/FFP	UNKNOWN	MAR 97	MAY 97	400	10,913	YES	NO	N/A
REMARKS:										

BLI NR. 463200

P-1 SHOPPING LIST  
 ITEM NO. 50  
 PAGE NO. 12

EXHIBIT P-5A



"CODE B" ITEM DESCRIPTION		DATE																																								
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY																																										
P-1 ITEM NOMENCLATURE: DATA AUTOMATED COMMUNICATIONS TERMINAL (DACT)		RCN: 144124																																								
1. CURRENT DEVELOPMENT AND TEST STATUS																																										
	4																																									
<table border="1"> <thead> <tr> <th colspan="2">CURRENT</th> <th colspan="2">LAST REPORTED</th> <th colspan="2">SCHEDULE DATE</th> <th colspan="2">REASON FOR DELAY</th> </tr> </thead> <tbody> <tr> <td>SEP 1996</td> <td>Plan/Actual</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SEP 1996</td> <td>Plan/Actual</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SEP 1996</td> <td>Plan/Actual</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Plan/Actual</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			CURRENT		LAST REPORTED		SCHEDULE DATE		REASON FOR DELAY		SEP 1996	Plan/Actual							SEP 1996	Plan/Actual							SEP 1996	Plan/Actual								Plan/Actual						
CURRENT		LAST REPORTED		SCHEDULE DATE		REASON FOR DELAY																																				
SEP 1996	Plan/Actual																																									
SEP 1996	Plan/Actual																																									
SEP 1996	Plan/Actual																																									
	Plan/Actual																																									
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: MARCH 1997																																										
3. EQUIPMENT ITEM(S) TO BE REPLACED: AN/PSC-2A DIGITAL COMMUNICATIONS TERMINAL (DCT)																																										
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED: OFFERS FOR MORE UTILITY AND OPERATIONAL USEFULNESS																																										
5. DEVELOPMENT CONTRACT INFORMATION (RDT&E Funding Profile - \$ in Millions)																																										
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	CY (FY1995)	BY (FY1996)	BEYOND BY																																					
			\$ 0.17 \$	1.169 \$	3.3																																					
			\$	\$	\$																																					
			\$	\$	\$																																					
			\$	\$	\$																																					
			\$	\$	\$																																					
TOTAL RDT&E FUNDING			\$ 0.17 \$	1.169 \$	3.3																																					
REMARKS: ALL PY AND MOST FY95 RDT&E WAS MEP FUNDING.																																										
BLI NR. 463200		P-1 SHOPPING LIST		EXHIBIT P-19																																						
		ITEM NO. 50		PAGE NO. 13																																						

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: DATA AUTOMATED COMMUNICATIONS TERMINAL (DACT)

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 111  
DEPOT MAINTENANCE FLOAT: 227  
TOTAL: 338

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 1135  
II MARINE EXPEDITIONARY FORCE: 1061  
III MARINE EXPEDITIONARY FORCE: 420  
SELECTED MARINE CORPS RESERVE: 1023  
SUPPORT ESTABLISHMENT: 147  
NORWAY AIR LANDED BRIGADE: 0  
TOTAL: 3786

APPROVED ACQUISITION OBJECTIVE

4124

50-14

ASSET DYNAMICS		DATE:																																																																																																																									
ITEM NAME: DATA AUTOMATED COMMUNICATIONS TERMINAL (DACT)																																																																																																																											
RCN: 144058																																																																																																																											
TAMCN/DODIC:	A2534																																																																																																																										
ACQUISITION OBJECTIVE:	3003																																																																																																																										
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	FY 1994	FY 1995	FY 1996	FY 1997																																																																																																																							
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ITEM NO.	PAGE NO.																																																																																																																										
50	13																																																																																																																										
BLI NR. 463200		EXHIBIT P-20A																																																																																																																									

[illegible][illegible]

PROCUREMENT LEAD TIME					REMARKS:
ADMIN LEAD TIME		MANU- FACTURING		TOTAL AFTER	
	PRIOR 1 OCT	1 OCT	2	1 OCT	
INITIAL		5		7	
REORDER (Previous Source)					
P-1 SHOPPING LIST					EXHIBIT P-21

## DATE \_\_\_\_\_

**APPROPRIATION/BUDGET ACTIVITY:**

P-1 ITEM NOMENCLATURE:

## PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY

4

# RADIO SYSTEMS

RCN: 0

		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY								
		0	0	0	0	0	0	0
COST (IN MILLIONS)	\$	0.0	\$ 0.0	\$ 52.9	\$ 16.2	\$ 54.0	\$ 41.6	\$ 7.8

This is a roll-up line which contains the following programs:

FY97

AN/PSC-5 ENHANCED MANPACK

SINCGARS RADIOS

SMART-T

## GROUND MOBILE FORCES

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BLI NR. 463300

P-1 SHOPPING LIST	
ITEM NO.	PAGE NO.

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION		D. DATE	
WEAPON SYSTEM COST ELEMENTS		FY 1995		FY 1996		FY 1997		QTY	
IDENT. CODE		UNIT COST		UNIT COST		UNIT COST		TOTAL COST	
AN/PSC-5 ENHANCED MANPACK TERMINAL (EMUT)								8,006	
SINGGARS RADIOS								44,856	
Initial Spares								(2,023)	
TOTAL COST								52862	
BLI NR. 463300									

P-1 SHOPPING LIST	
ITEM NO. 51	PAGE NO. 2

EXHIBIT P-5

BUDGET ITEM JUSTIFICATION SHEET							DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:					
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		AN/PSC-5 ENHANCED MANPACK UHF TERMINAL (EMUT)					
		RCN: 41331					
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000
		0	0	125	0	0	0
COST (IN MILLIONS)	\$	0.0	0.0	8.0	0.0	0.0	0.0
<p>The AN/PSC-5 is a lightweight, manportable UHF satellite communications (SATCOM) terminal that will provide long-range single channel communications. The AN/PSC-5 incorporates the Demand Assigned Multiple Access (DAMA) protocol mandated by the Joint Staff; non-DAMA will not be allowed to communicate by satellite after 30 Sep 96. The AN/PSC-5 provides embedded Communications Security (COMSEC) and encrypted voice and data capabilities, ensuring multi-service interoperability with most existing and planned communications systems. In addition to voice and data, the AN/PSC-5 interfaces facsimile, teletype, NET radio Interface (NRI), and SINGGARS.</p> <p>ACQUISITION OBJECTIVE: 645</p> <p>FY 97: 645 = 100% OF AO</p>							
BLI NR. 463300		P-1 SHOPPING LIST					EXHIBIT P-40
		ITEM NO. 51					
		PAGE NO. 3					

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME AN/PSC-5 ENHANCED MANPACK UHF TERMINAL (EMUT)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION MAGNAVOX, RICHARDSON, TEXAS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	FY 1995 QTY TOTAL COST	FY 1996 UNIT COST	FY 1996 QTY TOTAL COST	FY 1997 UNIT COST	FY 1997 QTY TOTAL COST		
AN/PSC-5 (EMUT)	A0917					31,934	125	3992	
SPECIAL TEST EQUIP						823	26		
FACTORY TRAINING							33		
REMOTE CONTROL UNITS						11301	332	3752	
VEHICLE MOUNTS						11301	18	203	
TOTAL COST								8006	
BLI NR. 463300								EXHIBIT P-5	

P-1 SHOPPING LIST	
ITEM NO.	PAGE NO.
51	4



PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:					P-1 ITEM NOMENCLATURE:					
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY					AN/PSC-5 ENHANCED MANPACK UHF TERMINAL (EMUT)					RCN: 41331
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
AN/PSC-5										
FY 97	MAGNAVOX 'RICHARDSON', TX	C/FPP/O	CECOM	DEC 96	APR 99	125	\$31,934	Y	N	
REMOTE CONTROL UNITS										
FY 97	MAGNAVOX	C/FPP/O	CECOM	DEC 96	SEP 97	332	\$11,301	Y	N	
VEHICLE MOUNTS										
FY 97	ROCKWELL	C/FPP/O	MARCORSYS	APR 96	SEP 97	18	\$11,301	Y	N	
REMARKS:										

BLI NR. 463300

P-1 SHOPPING LIST  
 ITEM NO. 51  
 PAGE NO. 5

EXHIBIT P-5A

APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY						P-1 ITEM NOMENCLATURE: AN/PSC-5 ENHANCED MANPACK UHF TERMINAL (EMUT)		DATE
							RCN:	0
1. CURRENT DEVELOPMENT AND TEST STATUS								
a. Developmental Test & Evaluation (DT&E)	Plan/Actual	NDI				REASON FOR DELAY		
b. Initial Operational Test & Evaluation (IOT&E)	Plan/Actual	MAR 95						
c. Operational Test & Evaluation (OT&E)	Plan/Actual	OCT 92						
d. Available Date of Technical Data Package (TDP or Performance Specifications)	Plan/Actual	MAR 96*						
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: AN/PSC-3, LST-5C, AN/MRC-140								
3. EQUIPMENT ITEM(S) TO BE REPLACED:								
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED: The AN/PSC-5 will have DAMA protocol capability required for satellite access after 30 sep 96, improved COMSEC, reliability, and portability.								
5. DEVELOPMENT CONTRACT INFORMATION (RDT&E Funding Profile - \$ in Millions)								
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THROUGH FY (FY-2)	CY (FY-1)	BY (FY0)	BEYOND BY		
		\$	\$	\$	\$	\$		
		\$	\$	\$	\$	\$		
		\$	\$	\$	\$	\$		
		\$	\$	\$	\$	\$		
		\$	\$	\$	\$	\$		
TOTAL RDT&E FUNDING		\$	0	\$	0.019	\$	0.075	\$
REMARKS: *ASU WILL BE BASED ON 1ST ARTICLE TEST COMPLETED IN MAR 95.								
** AUTHORIZES THE INITIAL MATERIAL RELEASE OF THE RADIOS.								
BLI NR. 463300								
P-1 SHOPPING LIST ITEM NO. 51 PAGE NO. 51								
EXHIBIT P-19								

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: PSC-5

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 92  
DEPOT MAINTENANCE FLOAT: 118  
TOTAL: 210

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 151  
II MARINE EXPEDITIONARY FORCE: 151  
III MARINE EXPEDITIONARY FORCE: 109  
SELECTED MARINE CORPS RESERVE: 22  
SUPPORT ESTABLISHMENT: 2  
NORWAY AIR LANDED BRIGADE: 0  
TOTAL: 435

APPROVED ACQUISITION OBJECTIVE

645

51-7

ASSET DYNAMICS		DATE:																																																																																																															
ITEM NAME: AN/PSC-5 ENHANCED MANPACK UHF TERMINAL (EMUT)		RCN: 041311																																																																																																															
TAMCN/DODIC:	A0917																																																																																																																
ACQUISITION OBJECTIVE:	645																																																																																																																
<table border="1"> <thead> <tr> <th>ENDING INVENTORY 30 SEP 1993</th> <th>FY 1994</th> <th>FY 1995</th> <th>FY 1996</th> <th>FY 1997</th> </tr> </thead> <tbody> <tr> <td>GAINS:</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*FY BUDGET</td> <td></td> <td></td> <td>440</td> <td>125</td> </tr> <tr> <td>*OTHER</td> <td>0</td> <td>0</td> <td>440</td> <td>125</td> </tr> <tr> <td>TOTAL</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>LOSSES:</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*COMBAT USMC</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*COMBAT ALLIES</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*PEACETIME</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*WASHOUT</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*SALES</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*OTHER</td> <td>0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>TOTAL</td> <td>0</td> <td></td> <td>440</td> <td>125</td> </tr> <tr> <td>NET CHANGE (+/-)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>ASSET POSITION:</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*STD SERVICEABLE</td> <td>80</td> <td>80</td> <td>520</td> <td>645</td> </tr> <tr> <td>*STD UNSERVICEABLE</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*SUB SERVICEABLE</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>*SUB UNSERVICEABLE</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TOTAL</td> <td>80</td> <td>80</td> <td>520</td> <td>645</td> </tr> <tr> <td>\$M VALUE</td> <td>\$3.0</td> <td>\$3.0</td> <td>\$17.2</td> <td>\$25.2</td> </tr> <tr> <td>% A/O ON HAND/FUNDED</td> <td>12 %</td> <td>12 %</td> <td>67 %</td> <td>100 %</td> </tr> </tbody> </table>				ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996	FY 1997	GAINS:					*FY BUDGET			440	125	*OTHER	0	0	440	125	TOTAL					LOSSES:					*COMBAT USMC					*COMBAT ALLIES					*PEACETIME					*WASHOUT					*SALES					*OTHER	0				TOTAL	0		440	125	NET CHANGE (+/-)					ASSET POSITION:					*STD SERVICEABLE	80	80	520	645	*STD UNSERVICEABLE					*SUB SERVICEABLE					*SUB UNSERVICEABLE					TOTAL	80	80	520	645	\$M VALUE	\$3.0	\$3.0	\$17.2	\$25.2	% A/O ON HAND/FUNDED	12 %	12 %	67 %	100 %
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BLI NR. 463300

P-1 SHOPPING LIST

EXHIBIT P-20A

ITEM AND MANUFACTURER	U/M	S	B	PROGRAM QUANTITY				ACC PRIOR TO FY	BAL DUE 8 OF	FISCAL YEAR: 96												FISCAL YEAR: 97												FISCAL YEAR: 98												L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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MANUFACTURER'S NAME & LOCATION  
MAGNAVOX Elect Sys Inc., Ft. Wayne, IN

REACHED  
MIN SUST 1-8-5 MAXIMUM D.

25 100 150

BLI NR. 463300

51

9

EXHIBIT P-21



BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		SINGGARS								RCN: 043638
		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
QUANTITY		0	0	0	0	0	0	0	0	
COST (IN MILLIONS)	\$	0.0	0.0	44.9	8.8	5.3	0.0	0.0	0.0	
The SINGGARS radio will replace all AN/PRC-77 manpack, Bancroft, and AN/VRC-12 family of vehicular radios currently in the Marine Corps inventory.										
The SINGGARS radio will be used as the primary means of communication for command and control as well as fire support on the battlefield. SINGGARS will be highly reliable with over 1250 hours mean time between failure (MTBF) and built-in test equipment will ease the workload. Frequency hopping capability offers low probability of intercept, while integrated COMSEC deletes the requirement for external communications security equipment.										
The SINGGARS radio is Code A. Acquisition Objective (AO) = 25390										
Prior Years 21519 = 85% of AO										
FY 97-01: 25390 = 100%										

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME SINGGARS RCN: 043638		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION ITT Fort Wayne, Indiana		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	FY 1995 QTY TOTAL COST	FY 1996 UNIT COST	FY 1996 QTY TOTAL COST	FY 1997 UNIT COST	FY 1997 QTY TOTAL COST		
SINGGARS						8,668	3871		
Ancillary Equipment							33,554		
Installation Kits							475		
Program Support							3,000		
Reliability Award Fee							5,000		
Warranty							2,352		
Consulting Services							100		
							375		
Initial Spares								(2,023)	
Active Component								(14,033)	
Reserve Component								(30,823)	
TOTAL COST									44856
BLI NR. 463300		P-1 SHOPPING LIST		ITEM NO. 51		PAGE NO. 12		EXHIBIT P-5	



PROCUREMENT HISTORY & PLANNING										DATE:	
APPROPRIATION/BUDGET ACTIVITY:										P-1 ITEM NOMENCLATURE:	
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										SINGGARS	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL	
SINGGARS FY 97	ITT, FORT WAYNE, IN FORT WAYNE INDIANA	FFP	CECOM	MAR 97	JUN 98	3871	8,668	YES	NO	N/A	
REMARKS: UNIT COST DOES NOT INCLUDE NAVY CONSEC FUNDING. UNIT COST IS AN AVERAGE OF THE UNIT COST FOR VARIOUS CONFIGURATIONS OF THE SINGGARS RADIO.											
BLI NR. 463300										P-1 SHOPPING LIST ITEM NO. 51 PAGE NO. 13	EXHIBIT P-5A

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: SINGGARS

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT:  
DEPOT MAINTENANCE FLOAT:  
TOTAL:

3795  
1842  
5637

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE:  
II MARINE EXPEDITIONARY FORCE:  
III MARINE EXPEDITIONARY FORCE:  
SELECTED MARINE CORPS RESERVE:  
SUPPORT ESTABLISHMENT:  
NORWAY AIR LANDED BRIGADE:  
TOTAL:

4276  
3962  
2089  
3556  
5870  
0  
19753

APPROVED ACQUISITION OBJECTIVE:

25390

51-14

BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:					P-1 ITEM NOMENCLATURE:					RCN: 0
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY					COMMUNICATIONS SWITCHING & CONTROL SYSTEMS					
QUANTITY	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001			
	0	0	0	0	0	0	0			
COST (IN MILLIONS)	\$ 0.0	\$ 0.0	\$ 16.9	\$ 42.4	\$ 59.8	\$ 48.5	\$ 50.4			

This is a roll-up line which contains the following programs:

UNIT LEVEL CIRCUIT SWITCH	FY97	12.5	FY98	0	FY99	0	FY00	0	FY01	0
DIGITAL TECH CONTROL	FY98-FY01	0		14.8		20.8		14.9		8.3
TACTICAL DATA NETWORK	FY98-FY01	0		23.1		34.3		28.8		37.2
DEFENSE MESSAGE SYSTEM	FY97-FY01	4.4		4.5		4.7		4.8		4.9

BLI NR. 463400

P-1 SHOPPING LIST  
ITEM NO. 52  
PAGE NO. 1

EXH

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME COMMUNICATIONS SWITCHING & CONTROL SYSTEMS RCN: 0		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL	
UNIT LEVEL CIRCUIT SWITCH							1/2,524	
DEFENSE MESSAGE SYSTEM							4,398	
Initial Spares			(458)		(17,752)			(2,880)
TOTAL COST			0		0			16922
BLI NR. 463400		P-1 SHOPPING LIST		ITEM NO. 52		PAGE NO. 2		EXHIBIT P-5

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BUDGET ITEM JUSTIFICATION SHEET							DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:					
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		Unit Level Circuit Switch PIP					
		RCN: 041063					
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000
		0	0	0	0	0	0
COST (IN MILLIONS)	\$	0.0 \$	0.0 \$	12.5 \$	0.0 \$	0.0 \$	0.0 \$
<p>The Unit Level Circuit Switch (ULCS) System is a family of Tri-Service Tactical Communications digital voice and data switching equipment consisting of AN/TTC-42 (280 Line), and various digital telephones and multiplexers that provide an automatic secure telephone capability to the field. The ULCS system replaced the analog switching and terminal equipment including AN/TTC-38 and SB-3082.</p> <p>The ULCS Product Improvement Program (ULCS PIP) will begin in FY-97. The ULCS PIP adds a variety of interoperability enhancements that improve the general usefulness and flexibility when employed in joint networks. These improvements include a line termination interface with the secure terminal unit (STU-III), the addition of a highly stable atomic timing standard to improve joint interoperability, increasing the capacity of the inter-nodal buffer to correct satellite delay problem, and a commercial office interface for the SB-3865.</p>							
MOD	INSTALLING AGENT	INSTALLATION		END ITEM/FACILITY			
ULCS PIP	FIELD	BEGIN: NOV 98 END: DEC 98		AN/TTC-42, AUTOMATIC CENTRAL OFFICE TELEPHONE			
	FIELD	BEGIN: NOV 98 END: DEC 98		SB-3865, AUTOMATIC TELEPHONE SWITCHBOARD			
ACQUISITION OBJECTIVE (A/O):		AN/TTC-42 = 61		SB-3865 = 425		TOTAL = 486	
FY 96 AND PRIOR:		AN/TTC-42: 0 = 0% OF AO		SB-3865: 0 = 0% OF AO			
FY 97:		AN/TTC-42: 61 = 100% OF AO		SB-3865: 425 = 100% OF AO			
<p>MODELS OF SYSTEMS AFFECTED: AN/TTC-42 Telephone Central &amp; SB-3865 Tactical Switchboard</p> <p>(\$ IN MILLIONS)</p>							
MODIFICATION TITLE		FY 1994	FY 1995	FY 1996	FY 1997		
ULCS PIP							
AN/TTC-42 MOD KIT						5.446	
SB-3865 MOD KIT						7.078	
TOTAL						\$ 12.524	

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME UNIT LEVEL CIRCUIT SWITCH (ULCS) RCN: 041063		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION TO BE DETERMINED		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995		FY 1996		FY 1997		QTY	
		UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
ULCS PIP									
AN/TTC-42 Mod Kit						87,344	61		5,328
SB-3865 Mod Kit						16,377	425		6,960
NONRECURRING COSTS									
Technical Data									120
Supporting Equipment									26
Engineering									75
Travel									15
Initial Spares									(2,880)
Active Component									(10,280)
Reserve Component									(2,244)
TOTAL COST									12524
BLI NR. 463400									

P-1 SHOPPING LIST  
ITEM NO. 52 - 4  
PAGE NO. 4

EXHIBIT P-5

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										RCN: 041063
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 4										
P-1 ITEM NOMENCLATURE: Unit Level Circuit Switch PIP										
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQRD	IF YES WHEN AVAIL
AN/TTC-42 MODIFICATION KIT										
FY-97	UNKNOWN	C/FCP-RPR	SYSCOM	JAN 97	OCT 97	51	87,344	NO	N/A	N/A
SB-3865 MODIFICATION KIT										
FY-97	UNKNOWN	C/FCP-RPR	SYSCOM	JAN 97	OCT 97	425	16,377	NO	N/A	N/A
REMARKS:										

# INDIVIDUAL MODIFICATION

## MODIFICATION TITLE:

Unit Level Circuit Switch Product Improvement Program (ULCS PIP)

## MODELS OF SYSTEMS AFFECTED:

AN/TTC-42 Automatic Central Office Telephone

## DESCRIPTION/JUSTIFICATION:

The ULCS PIP will add a range of capabilities to the ULCS family of circuit switches that provide improved joint/strategic interoperability and greater network flexibility. Included are a STU-III telephone interface, an atomic timing standard, and an increased number of commercial interfaces. The modification kits will consist of circuit card assemblies and a new revision of software.

## DEVELOPMENTAL STATUS/

## MAJOR DEVELOPMENT MILESTONES:

A contractor will be competitively selected to produce the modification components based on Government furnished prototypes and drawings.

## FINANCIAL PLAN: (\$ in Millions)

	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$

## PROCUREMENT

Kit Quantity  
 Installation Kits  
 Install. Kits Nonrecurring  
 Equipment  
 Equipment Nonrecurring  
 Engineering Change Orders  
 Data  
 Training Support  
 Support Equipment  
 Other  
 Interim Contractor Support

61

61

0.000  
 0.000  
 5.328  
 0.000  
 0.000  
 0.060  
 0.000  
 0.013  
 0.045  
 0.000

5.328

0.060

0.013

0.045

EXHIBIT P-3A INDIVIDUAL MODIFICATION

52-6



# INSTALLATION OF HARDWARE

(FY 1995) Eqt ( Kits)  
 (FY 1996) Eqt ( Kits)  
 (FY 1997) Eqt ( Kits)  
 (FY 1998) Eqt ( Kits)  
 (FY 1999) Eqt ( Kits)  
 (FY 2000) Eqt ( Kits)  
 (TO COMP) Eqt ( Kits)

FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$
0 0.000	0 0.000	0 0.000	0 0.000	0 0.000	0 0.000	0 0.000	0 0.000
0.000	0.000	5.446	0.000	0.000	0.000	0.000	5.446

TOTAL INSTALLATION COST

TOTAL PROCUREMENT COST

METHOD OF IMPLEMENTATION: Field Installed

ADMIN LEAD-TIME: 3 MONTHS

PRODUCTION LEAD-TIME: 9 MONTHS

CONTRACT DATES:

FY 1996 FY 1997 JAN 97

DELIVERY DATES:

FY 1996 FY 1997 OCT 97

INSTALLING SCHEDULE:

FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TOTAL
1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4

INPUT

OUTPUT

EXHIBIT P-3A INDIVIDUAL MODIFICATION

52-7

# INDIVIDUAL MODIFICATION

MODIFICATION TITLE: Unit Level Circuit Switch Product Improvement Program (ULCS PIP)

MODELS OF SYSTEMS AFFECTED: SB-3865 Automatic Telephone Switchboard

DESCRIPTION/JUSTIFICATION: The ULCS PIP will add a range of capabilities to the ULCS family of circuit switches that provide improved joint/strategic interoperability and greater network flexibility. Included are a STU-III telephone interface, an atomic timing standard, and an increased number of commercial interfaces. The modification kits will consist of circuit card assemblies and a new revision of software.

DEVELOPMENTAL STATUS/ MAJOR DEVELOPMENT MILESTONES: A contractor will be competitively selected to produce the modification components based on Government furnished prototypes and drawings.

FINANCIAL PLAN: (\$ in Millions)

	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$
Kit Quantity			425					425
Installation Kits								0.000
Install. Kits Nonrecurring								0.000
Equipment			6.960					6.960
Equipment Nonrecurring								0.000
Engineering Change Orders								0.000
Data			0.060					0.060
Training Support								0.000
Support Equipment			0.013					0.013
Other			0.045					0.045
Interim Contractor Support								0.000

52-8

(FY 1995)	Expt (	Kits)
(FY 1996)	Expt (	Kits)
(FY 1997)	Expt (	Kits)
(FY 1998)	Expt (	Kits)
(FY 1999)	Expt (	Kits)
(FY 2000)	Expt (	Kits)
(TO COMP)	Expt (	Kits)

[illegible]

TOTAL INSTALLATION COST

TOTAL PROCUREMENT COST

### METHOD OF IMPLEMENTATION: Field Installed

PRODUCTION LEAD-TIME: 9 MONTHS

**CONTRACT DATES:**

FY 1997 JAN 97

DELIVERY DATES:

FY 1997 OCT 97

### INSTALLING SCHEDULE:

	FY 1995			FY 1996			FY 1997			FY 1998			FY 1999			FY 2000			TOTAL		
1	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	

## INPUT

## OUTPUT

EXHIBIT P-3A INDIVIDUAL MODIFICATION

52-9

BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		DEFENSE MESSAGE SYSTEM (DMS)								
		RCN: 144028								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
		0	0	0	0	0	0	0	0	
COST (IN MILLIONS)	\$	0.0 \$	0.0 \$	4.4 \$	4.5 \$	4.7 \$	4.8 \$	4.9 \$		

The Defense Message System (DMS) consists of all hardware, software, procedures, and standards necessary to exchange messages electronically between organizations and individuals in the DoD. The vision of DMS is to provide secure, accountable and reliable messaging service. Using the Defense Information System Network (DISN) Infrastructure/Global Grid for worldwide connectivity, DMS provides value-added X.400 Messaging and X.500 Directory services for DoD organizations and individuals. DMS will be interoperable across multiple vendor platforms and centrally managed by DISA. DMS will replace the current AUTODIN system and will be implemented through the use of Marine Corps acquired computer hardware and software. Local area networks and wide area networks (LANS/WANS) will distribute both organizational and individual electronic messages.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME DEFENSE MESSAGE SYSTEM (DMS) RCN: 144028		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION LORAL FEDERAL SYSTEMS		D. DATE
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995	FY 1996	FY 1997	QTY	UNIT COST	TOTAL COST	QTY
		UNIT COST	UNIT COST	UNIT COST				
DEFENSE MESSAGE SYSTEM Hardware/Software							4,398	
TOTAL COST							4398	
BLI NR. 463400		P-1 SHOPPING LIST						
		ITEM NO. PAGE NO.						
		52 - 11						

EXHIBIT P-5

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										RCN: 144028
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 4										
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQRD	IF YES WHEN AVAIL
DEFENSE MESSAGE SYSTEM FY97	LORAL FED SYSTEMS	C/FFP	ITAC	JAN 97	FEB 97	VARIOUS	4,398,000	YES	NO	N/A
REMARKS:										

BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:		TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT						RCN: 144088
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		4								
QUANTITY	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001			
	0	0	0	0	0	0	0			
COST (IN MILLIONS)	\$ 0.0	\$ 0.0	\$ 53.6	\$ 22.6	\$ 16.1	\$ 16.1	\$ 15.6			

The Marine Corps ADP program is an aggregation of inter-related data processing disciplines. The overall objective is to achieve modernization and increase processing capacity, both of which are required to allow continued operation of existing automated information systems (AIS) and the implementation of new corporate information management (CIM) automated information systems to support all functional areas. The Marine Corps has a continuing need to upgrade its computer equipment and system software by replacement or augmentation in order to keep pace with user demands and changing technology.

#### 1. NETWORKING INFRASTRUCTURE

The Marine Corps ADP support is comprised of several components including small system computer equipment, proprietary system software products, the Marine Corps-wide Standard Network Operating System, and mainframe connectivity. This support environment was revamped. For the foreseeable future, legacy system ADP support will be provided to the Fleet Marine Forces and supporting establishments by the Defense Mega-Center (DMC) in St. Louis, Missouri. This support structure emphasizes distributed computing capabilities in a client-server architecture. In addition, there is an ongoing requirement to maintain the Marine Corps enterprise network infrastructure to support DOD sponsored and Marine Corps unique client-server applications. Types of equipment purchased include routers for NIPRNET, SIPRNET, and DOD migration systems, high level security software (fire walls), network management software tools, file servers, and enterprise backup-restore software. This line was formerly identified as two separate lines (Regional Computing and System Software); the lines were consolidated to better accommodate emerging technology.

FY 94-96 PROCUREMENT IN BLI 494200.

#### FUNDING PROFILE

FY95	FY96	FY97
0	0	16,925

EXHIBIT P-40

P-1 SHOPPING LIST	
ITEM NO.	PAGE NO.
53	1

BLI NR. 463500

BUDGET ITEM JUSTIFICATION SHEET		DATE						
APPROPRIATION/BUDGET ACTIVITY:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	4	P-1 ITEM NOMENCLATURE: TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT RCN: 144088						
<p>2. TACTICAL SYSTEM SUPPORT EQUIPMENT</p> <p>Required equipment and support for the Marine Corps Tactical System Support Activity efforts on Life Cycle Software Support (LCSS) for tactical systems. Investment items are essential to form the basis of software support for the Marine Corps tactical data systems that are fielded.</p> <p>FY 94-96 PROCUREMENT IN BLI 494200.</p>								
<p>FUNDING PROFILE</p> <table style="margin: auto;"> <tr> <td style="text-align: right;">FY95</td> <td style="text-align: right;">FY96</td> <td style="text-align: right;">FY97</td> </tr> <tr> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">1,187</td> </tr> </table>			FY95	FY96	FY97	0	0	1,187
FY95	FY96	FY97						
0	0	1,187						
BLI NR. 463500		P-1 SHOPPING LIST ITEM NO. 53      PAGE NO. 2						

EXHIBIT P-40



BUDGET ITEM JUSTIFICATION SHEET		DATE						
APPROPRIATION/BUDGET ACTIVITY:	P-1 ITEM NOMENCLATURE:							
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT	RCN: 144088						
<p>3. MANPOWER AND RESERVE AFFAIRS ADP</p> <p>This centrally managed program will replace outdaed ADP equipment. This program will buy a computer to run manpower math models in-house. Currently manpower pays teleprocessing fees to a vendor to operate these models. This program will also purchase compact disk read-only memory players that will transform documents from paper to electronic formats by providing read capability to the field</p> <p>FY 94-96 PROCUREMENT IN BLI 494200.</p>								
<p>FUNDING PROFILE</p> <table> <tr> <td>FY95</td> <td>FY96</td> <td>FY97</td> </tr> <tr> <td>0</td> <td>0</td> <td>191</td> </tr> </table>			FY95	FY96	FY97	0	0	191
FY95	FY96	FY97						
0	0	191						
BLI NR. 463500	P-1 SHOPPING LIST ITEM NO. 53 - PAGE NO. 3							
EXHIBIT P-40								

BUDGET ITEM JUSTIFICATION SHEET		DATE						
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	4	P-1 ITEM NOMENCLATURE: TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT RCN: 144088						
<p>4. ELECTRONIC DATA INTERCHANGE (EDI)</p> <p>"Implementation of EDI in DoD" calls for an aggressive program to implement EDI in the next five years. EDI is the automated exchange of electronic forms, instead of paper. Through EDI, the Marine Corps' basic business systems can be modernized, procedural bottlenecks corrected, and overhead costs reduced. This initiative would cover the costs of the computer and software necessary to transmit information electronically.</p> <p>FY 94-96 PROCUREMENT IN BLI 494200.</p>								
FUNDING PROFILE <table style="margin: auto;"> <tr> <td style="text-align: right;">FY95</td> <td style="text-align: right;">FY96</td> <td style="text-align: right;">FY97</td> </tr> <tr> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">75</td> </tr> </table>			FY95	FY96	FY97	0	0	75
FY95	FY96	FY97						
0	0	75						
BLI NR. 463500	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">               P-1 SHOPPING LIST                ITEM NO. 53             </td> <td style="width: 50%; text-align: center;">               PAGE NO. 4             </td> </tr> </table>		P-1 SHOPPING LIST ITEM NO. 53	PAGE NO. 4				
P-1 SHOPPING LIST ITEM NO. 53	PAGE NO. 4							

EXHIBIT P-40

BUDGET ITEM JUSTIFICATION SHEET		DATE						
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE: TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT	RCN: 144088						
<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>5. OPTICAL DIGITAL IMAGING (ODI-RMS)</p> <p>Provides the Marine Corps the ability to process, store, and retrieve official military personnel files for all active and reserve Marines in an Optical Digital Imaging (ODI) format. The use of this advanced technology will reduce the current cost of maintaining these records, virtually eliminate their loss, and provide multiple users simultaneous access. An initial investment of \$5M in PMC (in addition to an increase of \$3M over the current O&amp;MMC level of funding) in this ODI technology will save approximately \$46M in operating expenses over a 10-year life cycle.</p> <p>FY 94-96 PROCUREMENT IN BLI 494200.</p> </div> <div style="width: 35%; text-align: center;"> <p>FUNDING PROFILE</p> <table style="margin: auto;"> <tr> <td style="text-align: right;">FY95</td> <td style="text-align: right;">FY96</td> <td style="text-align: right;">FY97</td> </tr> <tr> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">851</td> </tr> </table> </div> </div>			FY95	FY96	FY97	0	0	851
FY95	FY96	FY97						
0	0	851						
BLI NR. 463500		P-1 SHOPPING LIST ITEM NO. 53      PAGE NO. 5						

EXHIBIT P-40

BUDGET ITEM JUSTIFICATION SHEET		DATE						
APPROPRIATION/BUDGET ACTIVITY:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE:	TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT RCN: 144088						
<p>6. JOINT RECRUITING INFORMATION SUPPORT SYSTEMS (JRISS)</p> <p>JRISS will automate all business processes associated with recruiting from high level mission planning at the headquarters to prospecting at the canvassing recruiter level. Some of the benefits include one-time data entry, forms generation, automated activity reporting, Delayed Entry Program (DEP) tracking, enlistment criteria expert system, electronic distribution of leads, and electronic interface with MEPS, other services, and relevant outside agencies. JRISS will be a joint system with all services sharing standardized data definitions in a distributed database. JRISS service specific front-end user interfaces will support the unique recruiting practices of each armed service.</p> <p>FY 94-96 PROCUREMENT IN BLI 494200.</p>								
<p>FUNDING PROFILE</p> <table border="1"> <tr> <td>FY95</td> <td>FY96</td> <td>FY97</td> </tr> <tr> <td>0</td> <td>0</td> <td>8,627</td> </tr> </table>			FY95	FY96	FY97	0	0	8,627
FY95	FY96	FY97						
0	0	8,627						
BLI NR. 463500	<p>P-1 SHOPPING LIST</p> <table border="1"> <tr> <td>ITEM NO.</td> <td>PAGE NO.</td> </tr> <tr> <td>53</td> <td>6</td> </tr> </table>		ITEM NO.	PAGE NO.	53	6		
ITEM NO.	PAGE NO.							
53	6							
EXHIBIT P-40								

BUDGET ITEM JUSTIFICATION SHEET		DATE						
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE: TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT	RCN: 144088						
<p>7. ASSET TRACKING LOGISTICS AND SUPPLY SYSTEM (ATLASS)</p> <p>ATLASS involves the migration of Marine Corps intermediate and consumer level supply and maintenance systems in a personal computer application, in a networked client-server environment, using a Graphical User Interface (GUI) and a shared database. This system will dramatically improve access to supply and maintenance functions at all levels, and fill critical operational requirements for a deployable, integrated supply and maintenance system.</p>								
<p>FUNDING PROFILE</p> <table> <tr> <td>FY95</td> <td>FY96</td> <td>FY97</td> </tr> <tr> <td>0</td> <td>0</td> <td>5,368</td> </tr> </table>			FY95	FY96	FY97	0	0	5,368
FY95	FY96	FY97						
0	0	5,368						

BLI NR. 463500	P-1 SHOPPING LIST	EXHIBIT P-40
	ITEM NO. 53	
	PAGE NO. 7	

BUDGET ITEM JUSTIFICATION SHEET		DATE						
APPROPRIATION/BUDGET ACTIVITY:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	4	P-1 ITEM NOMENCLATURE: TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT RCN: 144088						
<p>8. TELEPHONE SWITCHING SYSTEM</p> <p>Provides funding to upgrade and replace telephone systems at Marine Corps bases and stations. Upgrading is accomplished to maintain the software level required for vendor support, expand the system, and to add new capability such as voice mail, automated attendant, and data switching. Replacement is accomplished when telephone switches are technologically obsolete, are no longer logistically supportable, or are not capable of being expanded to meet requirements.</p> <p>FY 94-96 PROCUREMENT IN BLI 644400.</p>								
<p>FUNDING PROFILE</p> <table style="margin: auto;"> <tr> <td style="text-align: right;">FY95</td> <td style="text-align: right;">FY96</td> <td style="text-align: right;">FY97</td> </tr> <tr> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">9,372</td> </tr> </table>			FY95	FY96	FY97	0	0	9,372
FY95	FY96	FY97						
0	0	9,372						
BLI NR. <u>463500</u>		EXHIBIT P-40						

P-1 SHOPPING LIST	
ITEM NO. 53	PAGE NO. 8

BUDGET ITEM JUSTIFICATION SHEET		DATE						
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE: TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT RCN: 144088						
4								
<p>9. TRANSMISSION SYSTEMS</p> <p>Provides funding to acquire and install the systems which are used to transport voice, data, images, and video aboard Marine Corps bases and stations. Transmission systems also provide the capability to access worldwide DISN networks including the Nonsecure Internet Protocol Network (NIPRNET), Secret Internet Protocol Network (SIPRNET), Defense Switched Network (DSN), Joint Warfighter Intelligence Communications System (JWICS), Defense Message System (DMS), Global Command and Control System (GCCS), and tactical systems in support of the Fleet Marine Forces. Equipment includes fiber optic systems, copper cables, and multiplexors including Synchronous Optical Network (SONET) technology and Asynchronous Transfer Mode (ATM) switches.</p> <p>FY 94-96 PROCUREMENT IN BLI 644400.</p>								
<p>FUNDING PROFILE</p> <table border="1"> <tr> <td>FY95</td> <td>FY96</td> <td>FY97</td> </tr> <tr> <td>0</td> <td>0</td> <td>11,020</td> </tr> </table>			FY95	FY96	FY97	0	0	11,020
FY95	FY96	FY97						
0	0	11,020						
BLI NR. 463500	<p>P-1 SHOPPING LIST</p> <table border="1"> <tr> <td>ITEM NO.</td> <td>PAGE NO.</td> </tr> <tr> <td>53</td> <td>9</td> </tr> </table>		ITEM NO.	PAGE NO.	53	9		
ITEM NO.	PAGE NO.							
53	9							
EXHIBIT P-40								

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT RCN: 144088		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	UNIT COST	QTY TOTAL COST	FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST
NETWORKING INFRASTRUCTURE									16925
TACTICAL SYSTEMS SUPPORT									1187
M&RA ADP									191
EDI									75
ODI-RMS									851
JRISS									8627
ATLASS									5368
TELEPHONE SWITCHING SYSTEM									9372
TRANSMISSION SYSTEM									11020
TOTAL COST			0					0	53616

P-1 SHOPPING LIST  
 ITEM NO. 53 PAGE NO. 10  
 EXHIBIT P-5



PROCUREMENT HISTORY & PLANNING										DATE:	
APPROPRIATION/BUDGET ACTIVITY:										P-1 ITEM NOMENCLATURE:	
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 4										TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT RCN: 144088	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL	
1. NETWORKING INFRASTRUCTURE FY97	UNKNOWN	C/FFP	SYSKOM	JAN 97	MAR 97	VARIOUS	16,925,000*	YES	NO	N/A	
2. TACTICAL SYSTEM SUPPORT EQUIPMENT FY 97	UNKNOWN	C/FFP	MCB CAMPEN	JAN 97	APR 97	VARIOUS	1,187,000*	YES	NO	N/A	
3. M&RA ADP FY 97	UNKNOWN	C/FFP	LBC	JAN 97	MAY 97	VARIOUS	191,000*	YES	NO	N/A	
4. EDI FY 97	UNKNOWN	C/FFP	LBC	JAN 97	MAR 97	VARIOUS	75,000*	YES	NO	N/A	
5. ODI-RMS FY 97	UNKNOWN	C/FFP	LBC	JAN 97	MAR 97	VARIOUS	851,000*	YES	NO	N/A	
6. JRISS FY 97	UNKNOWN	C/FFP	ARMY	JAN 97	APR 97	VARIOUS	8,627,000*	YES	NO	N/A	
7. ATLASS FY 97	UNKNOWN	C/FFP	LBC	JAN 97	APR 97	VARIOUS	5,368,000*	YES	NO	N/A	
8. TELEPHONE SWITCHING SYSTEMS FY 97	GTE, CHANTILLY, VA UNKNOWN	C/FFP	ARMY/MTMP USMC	JAN 97 JAN 97	APR 97 MAR 97	1 1	9,014,000 358,000	YES YES	NO NO	N/A N/A	
9. TRANSMISSION SYSTEMS FY 97	GTE, CHANTILLY, VA GTE, CHANTILLY, VA	C/FFP C/FFP	ARMY/MTMP ARMY/MTMP	JAN 97 JAN 97	MAR 97 MAR 97	1 1	10,854,000 166,000	YES YES	NO NO	N/A N/A	
REMARKS:											
* Various items are purchased for these programs. Unit cost represents total cost for the program.											

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BUDGET ITEM JUSTIFICATION SHEET										DATE	
APPROPRIATION/BUDGET ACTIVITY:				P-1 ITEM NOMENCLATURE:						RCN: 147239	
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY				MODIFICATION KITS (MAGTF C4I)							
4											
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001			
		0	0	0	0	0	0	0			
COST (IN MILLIONS)	\$	0.0	0.0	43.4	2.1	7.4	5.8	10.5			
<p>Modifications programmed and budgeted under this line are for the purpose of correcting equipment deficiencies noted after new items are fielded or to increase operational capabilities of non-telecommunications end items previously fielded.</p> <p>This funding profile includes radar modifications which improve mean time between failure rates and enhance performance characteristics. The Direct Air Support Central (DASC) Product Improvement Program (PIP) is a non-developmental effort which will incorporate selected automation and existing hardware from the AN/TSQ-155(V), Improved Direct Air Support Central (IDASC), and the OE-334 Antenna Coupler Group into lightweight, highly mobile shelters. Improved capabilities include automated interfaces to the Digital Communications Terminal (DCT), Advanced Tactical Air Command Central (ATACC), Position Location Reporting System (PLRS), Advanced Field Artillery Tactical Data System (AFATDS), and Tactical Combat Operations (TCO). The COMSEC Cable line is in support of various security systems being fielded including the KY-99 MINTERM, the Electronic Key Management System, the Data Transfer Device, and the STU-III. COMSEC cables will interface with various communications devices to include radios, switches, and computers and will provide secure transmissions at all times.</p>											
MOD	INSTALLATION AGENT		INSTALLATION								
AN/TPS-59 RADAR MOD (97)	FIELD		BEGIN SEP 98/END APR 99								
IDASC PIP	FIELD		BEGIN OCT 93/END SEP 97								
IDASC PIP	FIELD		BEGIN OCT 95/END SEP 97								

BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION/BUDGET ACTIVITY:	P-1 ITEM NOMENCLATURE:	
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	MODIFICATION KITS (MAGTF C4I)	RCN: 147239
<p>MODELS OF SYSTEMS AFFECTED: MODIFICATION KITS (MAGTF C4I)</p> <p>MODIFICATION TITLE</p> <p>-----</p> <p>AN/TPS-59 - TACTICAL BALLISTIC MISSILE DEFENSE</p> <p>COMSEC CABLES</p> <p>DASC MOD</p> <p>-----</p> <p>TOTAL</p> <p>-----</p> <p>\$ 43.418</p>		
<p>(\$ IN MILLIONS)</p> <p>FY 1997</p> <p>-----</p> <p>38.774</p> <p>0.553</p> <p>4.091</p> <p>-----</p>		

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME MODIFICATION KITS (MAGTF C4I) 147239		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST		
AN/TPS-59 ECPS	B					4,788,898	7	33522	
AN/TPS-59 Tactical Missile Defense (TMD) Modification Kit									
Production Upgrade Kits						1,231,238	2	2462	
Travel Government Support ILS Data								100 250 2440	
SUBTOTAL AN/TPS-59								38774	
COMSEC CABLES								478	
Contractor Support Travel New Equipment Training								53 10 12	
SUBTOTAL COMSEC CABLES								553	
TOTAL COST									
BLI NR. 463600		P-1 SHOPPING LIST ITEM NO. 54		PAGE NO. 3		EXHIBIT P-5			

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME MODIFICATION KITS (MAGTF C4I) RCN: 147239		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST		
DASC (OPS SHELTER) Downsizing PIP						224,227	10	2242	
DASC AUTOMATION PIP						139,727	12	1677	
SUPPORT COSTS:									
Hardware Engineering									62
Drawings									15
Tests									22
Tech Data									8
Factory Training									35
Software Engineering									30
SUBTOTAL DASC									4091
Initial Spares									(89)
Active Component									(32748)
Reserve Component									(10670)
TOTAL COST									43418
BLI NR. 463600									

EXHIBIT P-5

P-1 SHOPPING LIST  
ITEM NO. 54 - 4  
PAGE NO. 4

# PROCUREMENT HISTORY & PLANNING

DATE:

## APPROPRIATION/BUDGET ACTIVITY:

PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY

4

## P-1 ITEM NOMENCLATURE:

MODIFICATION KITS (MAGTF C4I)

RCN: 147239

LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
AN/TPS-59 TMD KITS FY 97	MM CORP SYRACUSE, NY	FFP	SYSCOM	FEB 97	SEP 98	7	4,788,898	YES	NO	N/A
PRODUCTION UPGRADE KITS	MM CORP SYRACUSE, NY	FFP	SYSCOM	FEB 97	SEP 98	2	1,231,238	YES	NO	N/A
DASC (OPS SHELTER) FY 97	NSWC CRANE, IN	C/FFPO	NSWC CRANE	OCT 96	FEB 97	10	224,227	YES	NO	N/A
DASC AUTOMATION FY 97	NSWC CRANE, IN	C/FFPO	SYSCOM	OCT 96	JAN 97	12	139,727	YES	NO	N/A
COMSEC CABLES FY 97	TRACOR CHESAPEAKE, VA	MIPR	NISE EAST	MAR 97	JAN 98	VARIOUS	553,000*	YES	NO	N/A

## REMARKS:

\*DASC: Unit cost includes downsized shelters, rapid assembly tents, cables, and integration costs.  
COMSEC CABLES: Unit cost represents total dollar amount. Five different cables and various quantities are being purchased on one contract.

BLI NR. 463600

P-1 SHOPPING LIST

ITEM NO.

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PAGE NO.

5

EXHIBIT P-5A

"CODE B" ITEM DESCRIPTION		DATE				
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		MODIFICATION KITS (MAGTF C4I) TPS-59 RADAR				
4		RCN: 147239				
1. CURRENT DEVELOPMENT AND TEST STATUS						
a. Test Readiness Review	Plan/Actual	Feb 95	Feb 95			
b. Formal Qualification Test	Plan/Actual	Mar 95	Mar 95			
c. Physical/Functional Configuration Audit	Plan/Actual	Jan 95	Jan 95			
d. Develop Test/Operational Test	Plan/Actual	Dec 95	Dec 95			
e. Milestone III	Plan/Actual	Sep 96	Sep 96			
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:		Sep 96				
3. EQUIPMENT ITEM(S) TO BE REPLACED:						
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:						
INCREASED RECEIVER SENSITIVITY						
IMPROVED RELIABILITY						
REDUCED TRANSPORTATION REQUIREMENTS						
5. DEVELOPMENT CONTRACT INFORMATION (RDT&E Funding Profile - \$ in Millions)						
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THROUGH FY (FY1994)	CY (FY1995)	BY (FY1996)	BEYOND BY
MARTIN MARIETTA	SYRACUSE, NY		\$ 10.4	\$	\$	\$ 3.6
PROGRAM SUPPORT	QUANTICO, VA		\$	\$ 0.1	\$ 0.5	\$ 0.5
			\$	\$	\$	\$
			\$	\$	\$	\$
			\$	\$	\$	\$
TOTAL RDT&E FUNDING			\$ 10.4	\$ 0.1	\$ 0.5	\$ 4.1
REMARKS: R&D EFFORT FUNDED PRIMARILY BY BALLISTIC MISSILE DEFENSE OFFICE.						
BLI NR. 463600		P-1 SHOPPING LIST		EXHIBIT P-19		
		ITEM NO. 54		PAGE NO. 6		



# INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AN/TPS-59 ECPS/TMD UPGRADE

MODELS OF SYSTEMS AFFECTED: AN/TPS-59 RADAR SYSTEM

## DESCRIPTION/JUSTIFICATION:

This modification is to correct deficiencies identified by the fleet and procure minor improvements to the AN/TPS-59 radar set.

## DEVELOPMENTAL STATUS/

### MAJOR DEVELOPMENT MILESTONES:

The ECPS have been submitted and approved. TMD Upgrade has CDR scheduled for 3rd Qtr FY 94, DT/OT for 2nd Qtr FY 96, and Milestone III Decision for 4th Qtr FY 96.

## FINANCIAL PLAN: (\$ in Millions)

	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$
Kit Quantity			9		11	11	11	42
Installation Kits			35.984		4.448	3.953	9.351	53.736
Install. Kits Nonrecurring Equipment								0.000
Equipment Nonrecurring								0.000
Engineering Change Orders								0.000
Data			2.440	0.798		0.500		3.738
Training Support								0.000
Support Equipment								0.000
Other			0.350	0.264		0.096		0.710
Interim Contractor Support								0.000

EXHIBIT P-3A INDIVIDUAL MODIFICATION

54-7

# INSTALLATION OF HARDWARE

(FY 1995) Eqpt ( Kits)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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METHOD OF IMPLEMENTATION: Field Install ADMIN LEAD-TIME: 4 MONTHS PRODUCTION LEAD-TIME: 19 MONTHS

CONTRACT DATES:

FY 1996 \_\_\_\_\_ FY 1997 \_\_\_\_\_ FEB 97

DELIVERY DATES:

FY 1996 \_\_\_\_\_ FY 1997 \_\_\_\_\_ SEP 98

INSTALLING SCHEDULE:

	FY 1995				FY 1996				FY 1997				FY 1998				FY 1999				FY 2000				TOTAL			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

INPUT

OUTPUT

EXHIBIT P-3A INDIVIDUAL MODIFICATION

54-8

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: COMSEC Cables

MODELS OF SYSTEMS AFFECTED: EKMS, DTD, STU III, KY-68, KY-99

DESCRIPTION/JUSTIFICATION: Cables procured will interface the above listed systems with various transmission systems, to include MRC-138, GRC-193, AAVC7, and LAV-AD.

DEVELOPMENTAL STATUS/  
MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in Millions)

	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY
	\$	\$	\$	\$	\$	\$	\$	\$

PROCUREMENT

Kit Quantity	2935	5870	5870	5870	5870	5870	5870	26415
Installation Kits	0	0	0	0	0	0	0	0
Install. Kits Nonrecurring	0.478	0.965	1.000	1.040	1.100	1.100	1.100	4.583
Equipment	0.022	0.057	0.043	0.067	0.044	0.044	0.044	0.000
Equipment Nonrecurring	0.053	0.062	0.053	0.034	0.017	0.017	0.017	0.000
Engineering Change Orders								0.000
Data								0.219
Training Support								0.000
Support Equipment								0.000
Other								0.000
Interim Contractor Support								0.000

EXHIBIT P-3A INDIVIDUAL MODIFICATION

54-9

INSTALLATION OF HARDWARE

(FY 1995) Eqpt ( Kits)  
 (FY 1996) Eqpt ( Kits)  
 (FY 1997) Eqpt ( Kits)  
 (FY 1998) Eqpt ( Kits)  
 (FY 1999) Eqpt ( Kits)  
 (FY 2000) Eqpt ( Kits)  
 (TO COMP) Eqpt ( Kits)

TOTAL INSTALLATION COST

TOTAL PROCUREMENT COST

0.553 0 1.084 0 1.096 0 1.141 0 1.161 0 5.035

METHOD OF IMPLEMENTATION: Field Installed

ADMIN LEAD-TIME: 5 MONTHS

PRODUCTION LEAD-TIME: 10 MONTHS

CONTRACT DATES:

FY 1996 FY 1997 MAR 97

DELIVERY DATES:

FY 1996 FY 1997 JAN 98

INSTALLING SCHEDULE:

FY 1995				FY 1996				FY 1997				FY 1998				FY 1999				FY 2000				TOTAL			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

INPUT

OUTPUT

EXHIBIT P-3A INDIVIDUAL MODIFICATION

54-10

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: DIRECT AIR SUPPORT CENTRAL (DASC) PRODUCT IMPROVEMENT PROGRAM (PIP)

MODELS OF SYSTEMS AFFECTED: AN/TSQ-155V IMPROVED DASC (IDASC) OE-334 ANTENNA COUPLER GROUP

DESCRIPTION/JUSTIFICATION: Equipment procured under this effort will be modular and allow the system to be task organized and operated in the downsized AN/TSQ-155(V) and OE-334 Antenna Coupler Group shelters or external to the DASC operations shelters. Improved capabilities include automated interfaces to the DCT, ATACC, PLRS, AFATDS, and TCO.

DEVELOPMENTAL STATUS/ MAJOR DEVELOPMENT MILESTONES: Prototype hardware and software will undergo analysis and modification at Marine Corps Tactical Systems Support Activity and Naval Surface Warfare Center, Crane, Indiana.

FINANCIAL PLAN: (\$ in Millions)

	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$
PROCUREMENT								
Kit Quantity								22
Installation Kits								0.000
Install. Kits Nonrecurring								0.000
Equipment								0.000
Equipment Nonrecurring								3.919
Engineering Change Orders								0.000
Data								0.008
Training Support								0.035
Support Equipment								0.000
Other								0.129
Interim Contractor Support								0.000

EXHIBIT P-3A INDIVIDUAL MODIFICATION

54-11

FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
QTY	\$	QTY	\$	QTY	\$	QTY	\$

# INSTALLATION OF HARDWARE

(FY 1995) Eqpt ( Kits)  
 (FY 1996) Eqpt ( Kits)  
 (FY 1997) Eqpt ( Kits)  
 (FY 1998) Eqpt ( Kits)  
 (FY 1999) Eqpt ( Kits)  
 (FY 2000) Eqpt ( Kits)  
 (TO COMP) Eqpt ( Kits)

TOTAL INSTALLATION COST	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
TOTAL PROCUREMENT COST	0.000	0.000	4.091	0.000	0.000	0.000	0	0.000	0	4.091

METHOD OF IMPLEMENTATION: Field Install ADMIN LEAD-TIME: \_\_\_\_\_ MONTHS PRODUCTION LEAD-TIME: 4 MONTHS

CONTRACT DATES:

FY 1996 \_\_\_\_\_ FY 1997 \_\_\_\_\_ OCT 96

DELIVERY DATES:

FY 1996 \_\_\_\_\_ FY 1997 \_\_\_\_\_ FEB 97

INSTALLING SCHEDULE:

FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TOTAL
1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4

INPUT

OUTPUT

EXHIBIT P-3A INDIVIDUAL MODIFICATION

54-12

BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		ITEMS LESS THAN \$2 MILLION (MAGTF C4I)								
		RCN: 949509								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
COST (IN MILLIONS)	\$	0	\$ 0	\$ .3	\$ .3	\$ .3	\$ .3	\$ .3	0.3	

This is a roll-up line which at various times contains many different and unrelated items of equipment for which the annual procurement is less than \$2 Million each. The funds included in this budget line allow procurement of the following items:

\* Joint Communications Support Element (JCSE) equipment modernization. This effort funds the Marine Corps share of efforts to keep the JCSE equipped with the latest state-of-the-art equipment to accomplish its Joint Staff Mission.

All of these items are Code A.

BLI NR. 463700

P-1 SHOPPING LIST  
 ITEM NO. 55 - PAGE NO. 1

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME ITEMS LESS THAN \$2 MILLION (MAGTF C4I)  RCN: 949509		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST		
JCSE Modernization	A					VARIOUS	301		
TOTAL COST								301	
BLI NR. 463700								EXHIBIT P-5	

P-1 SHOPPING LIST ITEM NO. 55	PAGE NO. 2
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PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:					P-1 ITEM NOMENCLATURE:					
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY					ITEMS LESS THAN \$2 MILLION (MAGTF C4I)					
					RCN: 949509					
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REV RQRD	IF YES WHEN AVAIL
JCSE MODERNIZATION FY97	VARIOUS	VARIOUS	USMC	VARIOUS	VARIOUS	VARIOUS	301	YES	N/A	N/A
<b>REMARKS:</b> Unit cost reflects total cost in thousands. Many different items are being procured.										

BLI NR. 463700

P-1 SHOPPING LIST  
 ITEM NO. 55  
 PAGE NO. 3

EXHIBIT P-5A

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P-1 SHOPPING LIST

ITEM NO.

55

PAGE NO.

## DATE \_\_\_\_\_

**APPROPRIATION/BUDGET ACTIVITY:**

**P-1 ITEM NOMENCLATURE:**

## PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY

MODIFICATION KITS (OTHER)

4

RCN: 147239

	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY		0	0	0	0	0	0
COST (IN MILLIONS)	\$ 0.0	\$ 0.0	\$ 4.1	\$ 2.6	\$ 0.0	\$ 0.0	\$ 0.0

[illegible]

This funding profile includes TOW sight modifications to bring various configurations of the UAS-12 series of sights into a single configuration and to provide countermeasure protection to the gunners and equipment.

MOD TITLE

## INSTALLATION AGENT

## INSTALLATION

TOW NIGHT SIGHT MOD (97)

DEPOT

BEGIN OCT 97/END MAR 99

BLI NR. 463800

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100	100

**EXHIBIT P-40**

DATE \_\_\_\_\_

APPROPRIATION/BUDGET ACTIVITY:

## PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY

4

**P-1 ITEM NOMENCLATURE:**

MODIFICATION KITS (OTHER)

RCN: 147239

MODELS OF SYSTEMS AFFECTED: AN/UAS-12A, AN/UAS-12C, AND AN/UAS-12D NIGHT VISION EQUIPMENT SETS

(\$ IN MILLIONS)

FY 1997

MODIFICATION TITLE

TOW SIGHT MODS

\$4.053

BLI NR. 463800

P-1 SHOPPING LIST	
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1

2

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME MODIFICATION KITS (OTHER) RCN: 147239		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	FY 1995 QTY TOTAL COST	FY 1996 UNIT COST	FY 1996 QTY TOTAL COST	FY 1997 UNIT COST	FY 1997 QTY TOTAL COST		
TOW SIGHT MOD PROGRAM	A					3025	326	986	
Operator Selectable Filter Switch (OSF)	A					23235	132	3067	
Optical Improvement/Operator Selectable Filter Kit (OI/OSF)									
TOTAL COST								4053	

BLI NR. 463800

P-1 SHOPPING LIST  
 ITEM NO. 56  
 PAGE NO. 3

EXHIBIT P-5

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:				P-1 ITEM NOMENCLATURE:						
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY				MODIFICATION KITS (OTHER)						
4				RCN: 147239						
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RORD	IF YES WHEN AVAIL
TOW SIGHT MOD -----										
OPERATOR SELECTABLE FILTER SWITCH (OSF) FY 97	UNKNOWN	C/FFP	MICOM	DEC 96	DEC 97	326	3,025	YES	NO	NA
OPTICAL IMPROVEMENT/ OPERATOR SELECTABLE FILTER KIT (OI/OSF) FY 97	UNKNOWN	C/FFP	MICOM	DEC 96	DEC 97	132	23,235	YES	NO	NA
<b>REMARKS:</b> Program consists of two types of mod kits: the OSF kit installs a filter wheel to defeat countermeasure threat and the OI/OSF mod kit provides improved mirrors, prisms, lenses, and detectors as well as the OSF mod to provide more accurate observation and target tracking.										

INDIVIDUAL MODIFICATION

MODIFICATION TITLE:

TOW SIGHT MODIFICATIONS FOR THE UAS-12 SERIES OF SIGHTS

MODELS OF SYSTEMS AFFECTED:

AN/UAS-12A, AN/UAS-12C, AND AN/UAS-12D NIGHT VISION EQUIPMENT SETS

DESCRIPTION/JUSTIFICATION:

THIS MODIFICATION PROGRAM BRINGS EXISTING NIGHT SIGHTS INTO A SINGLE CONFIGURATION WHICH IS COMPATIBLE WITH NEW PRODUCTION SIGHTS. THE PROGRAM CONSISTS OF TWO MOD KITS: THE OPERATOR SELECTABLE FILTER (OSF) KIT AND THE OPTICAL IMPROVEMENT/OPERATOR SELECTABLE FILTER (OI/OSF) KIT. THE OSF KIT PROVIDES COUNTER-MEASURE PROTECTION BY MEANS OF A FILTER WHEEL AND MULTIPLE FILTERS. THE OI/OSF KIT UPGRADES THE ORIGINAL SIGHTS INTO THE MOST CURRENT CONFIGURATION WITH IMPROVED MIRRORS, PRISMS, LENSES, AND DETECTORS, AS WELL AS THE OSF MOD.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES:

N/A

FINANCIAL PLAN: (\$ in Millions)

FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COME	TOTAL
QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$

PROCUREMENT

Kit Quantity  
 Installation Kits  
 Install. Kits Nonrecurring  
 Equipment  
 Equipment Nonrecurring  
 Engineering Change Orders  
 Data  
 Training Support  
 Support Equipment  
 Other  
 Interim Contractor Support

458

4.053

458

4.053  
 0.000  
 0.000  
 0.000  
 0.000  
 0.000  
 0.000  
 0.000  
 0.000

EXHIBIT P-3A INDIVIDUAL MODIFICATION

56-5

# INSTALLATION OF HARDWARE

(FY 1995) Eqpt ( Kits)  
 (FY 1996) Eqpt ( Kits)  
 (FY 1997) Eqpt (458 Kits)  
 (FY 1998) Eqpt ( Kits)  
 (FY 1999) Eqpt ( Kits)  
 (FY 2000) Eqpt ( Kits)  
 (TO COMP) Eqpt ( Kits)

FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$
0 0.000	0 0.000	0 0.000	458 2.638	0 0.000	0 0.000	0 0.000	0 0.000
0.000	0.000	4.053	2.638	0.000	0.000	0.000	2.638
TOTAL INSTALLATION COST							
TOTAL PROCUREMENT COST							
6.691							

METHOD OF IMPLEMENTATION DEPOT INSTALLED

ADMIN LEAD-TIME: 2 MONTHS

PRODUCTION LEAD-TIME: 12 MONTHS

CONTRACT DATES:

FY 1996 FY 1997 DEC 96

DELIVERY DATES:

FY 1996 FY 1997 DEC 97

INSTALLING SCHEDULE:

FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TOTAL
1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
115 115 114 114	115 115 114 114	115 115 114 114	115 115 114 114	115 115 114 114	115 115 114 114	115 115 114 114

INPUT

OUTPUT

EXHIBIT P-3A INDIVIDUAL MODIFICATION

56-6



BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:		ITEMS LESS THAN \$2 MILLION (OTHER)						
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		4		RCN:						
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
		0	0	0	0	0	0	0		
COST (IN MILLIONS)	\$	0.0 \$	0.0 \$	2.6 \$	2.8 \$	2.6 \$	3.1 \$	3.0		
<p>This is a roll-up line which contains many different items of equipment for which the annual procurement is less than \$2 million each. These items are required to support the telecommunications mission area and to support the General Purpose Electronic Test Equipment (GPETE), Special Purpose Test Equipment (SPTTE), General Purpose Mechanical Test Equipment (GPMTE), and infantry weapons gauges used to maintain Marine Corps weapons systems.</p> <p>The funds included in this budget line procure the following items:</p> <ul style="list-style-type: none"> <li>- Power supply equipment which provides direct current (DC) voltage from an alternating voltage (AC) power source. This enables communication equipment to operate without using batteries. It also provides DC voltage to aid in the maintenance of electronic equipment.</li> <li>- Tools, sets, kits, and chests (TSK&amp;C) include general purpose tools and support items used for the installation, operation, and maintenance of communication equipment.</li> <li>- Electronic Test, Measurement, and Diagnostic Equipment (TMDE) Repair Facility.</li> <li>- Test, Calibration, and Maintenance support.</li> </ul> <p>All of these items are Code A</p>										

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME ITEMS LESS THAN \$2 MILLION (OTHER) (RCN )		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE			FY 1995 UNIT COST	FY 1995 QTY TOTAL COST	FY 1996 UNIT COST	FY 1996 QTY TOTAL COST	FY 1997 UNIT COST	FY 1997 QTY TOTAL COST
Power supply 0-30 Volt 24-30 Volt 20-80 Volt Logistics Supply Testing, Tech Data, Manuals, Training (RCN 040288)	A A A							Various	1001
Tools Sets, Kits, Chests (TSK&C) (RCN 040958)	A							Various	299
Electronic Test, Measurement, and Diagnostic Equipment Repair Facility (RCN 140247)	A							Various	341
Test, Calibration, and Maintenance Support (RCN 145879)	A							Various	936
TOTAL COST									2577
BLI NR. 463900		P-1 SHOPPING LIST		ITEM NO. 57		PAGE NO. 2		EXHIBIT P-5	

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:					P-1 ITEM NOMENCLATURE:					
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY					ITEMS LESS THAN \$2 MILLION (OTHER)					
4					RCN:					
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
POWER SUPPLIES FY97	UNKNOWN	C/FPO	USMC	JAN97	VARIOUS	VARIOUS	1,001,000	YES	N/A	N/A
TOOL SETS, KITS & CHESTS FY97	VARIOUS	C/FP	USMC	VARIOUS	VARIOUS	VARIOUS	299,000	YES	N/A	N/A
ELECTRONIC TMDE REPAIR FACILITY FY97	VARIOUS	C/FP	SYSOM	VARIOUS	VARIOUS	VARIOUS	341,000*	YES	NO	N/A
TEST, CALIBRATION, AND MAINTENANCE EQUIPMENT FY97	VARIOUS	C/FP	SYSOM	VARIOUS	VARIOUS	VARIOUS	936,000*	YES	NO	N/A
<b>REMARKS:</b> Unit Cost column reflects total cost for items being purchased. * Funds are used to procure small quantities of electronic and psy/dimensional test equipment such as frequency standards, calibration workstations, precision measurement machines, and force calibrators.										

BLI NR. 463900

P-1 SHOPPING LIST  
 ITEM NO. 57

EXHIBIT P-5A

PAGE NO. 3

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BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		AIR OPERATIONS C2 SYSTEMS ROLL-UP								
		RCN:								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
COST (IN MILLIONS)										
		\$ 0.0	0.0 \$	0.0 \$	11.5 \$	3.4 \$	10.3 \$	15.8 \$		
THIS IS A ROLLED LINE CONSISTING OF THE FOLLOWING:										
		FY 97	FY 98	FY 99	FY 00	FY 01				
TAOM	FY 1997-2001	5.304	10.918	2.858	9.728	8.638				
ADCP	FY 1997-2001	0.001	0.548	0.562	0.573	7.139				
TAOM - Tactical Air Operations Module										
ADCP - Air Defense Communications Platform										

BLI NR. 464000

P-1 SHOPPING LIST  
 ITEM NO. 58 - 1  
 PAGE NO.

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME AIR OPERATIONS C2 SYSTEMS ROLL-UP		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST		
TACTICAL AIR OPERATIONS MODULE (TAOM) AN/TYQ-23 (RCN 140034)							5304		
AIR DEFENSE COMMUNICATIONS PLATFORM (ADCP) (RCN 149509)							1		
Initial Spares							(289)		
TOTAL COST							0		5305
BLI NR. 464000		P-1 SHOPPING LIST		ITEM NO. 58		PAGE NO. 2		EXHIBIT P-5	

## BUDGET ITEM JUSTIFICATION SHEET

DATE

APPROPRIATION/BUDGET ACTIVITY:

PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY

4

P-1 ITEM NOMENCLATURE:

AN/TYQ-23 (V)1 TACTICAL AIR OPERATIONS MODULE (TAOM)

RCN: 140034

QUANTITY	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
	0	0	0	0	0	0	0
COST (IN MILLIONS)	\$ 0.0	\$ 0.0	\$ 5.3	\$ 10.9	\$ 2.9	\$ 9.7	\$ 8.6

1. The AN/TYQ-23 (V)1, Tactical Air Operations Module, is an electronic tactical data system which, when supported with sensors, power sources, support equipment, and personnel, provides the US Marine Corps with the capabilities of integrated air defense, supplemental enroute traffic control management, and data link to external agencies for real time exchange of tactical air data. Four Tactical Air Operations Modules constitute one system.

2. This is a collection of efforts and an evolutionary acquisition strategy, encompassing ECPs and incorporation of COTS equipment into the existing TAOC platform. This initiative will upgrade the system to include Joint Tactical Data Links (TADIL-J), Sector Anti-Air Warfare Facility (SAAWF), operator console units, and the TPS-59 radar interface, representing four major elements.

3. These upgrades will open up the system architecture, provide an automated air tasking order capability, tactical missile defense, and a battle management facility. The open architecture facilitates TADIL-J upgrade.

BLI NR. 464000

P-1 SHOPPING LIST  
ITEM NO. 58  
PAGE NO. 3

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME AN/TYQ-23 (V) 1 TACTICAL AIR OPERATIONS MODULE (TAOM) (RCN 140034)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION LITTON DATA SYSTEMS AGOURA HILLS, CA		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST		
AN/TYQ-23 (V) 1 TACTICAL AIR OPERATIONS MODULE									
PRODUCT IMPROVEMENT PROGRAM									
OCU UPGRADE									
SECTOR ANTI-AIR WARFARE FACILITY (SAAWF)									
JTIDS INTEGRATION									
RADAR INTERFACE (TMD)									
GFE Repair									
Contractor Support									
Services (PRODUCTION)									
Hardware/Software Support									
Engineering Change Proposals									
Post Deployment Software Support (MCTSSA)									
TAD									
IKP Training (Factory)									
Contractor Support									
Services (PIP)									
Initial Spares									
TOTAL COST									
BLI NR. 464000									
		P-1 SHOPPING LIST		ITEM NO. 58		PAGE NO. 4		EXHIBIT P-5	



PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										P-1 ITEM NOMENCLATURE:
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										AN/TYQ-23 (V) 1 TACTICAL AIR OPERATIONS MODULE (TAOM)
										RCN: 140034
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
OCU Upgrade	Litton Data Systems Agoura Hills, CA	SSFFP	SYSCOM	Jan 97	May 98	1	2163000	YES	NO	NA
REMARKS:										

BLI NR. 464000

P-1 SHOPPING LIST  
 ITEM NO. 58      PAGE NO. 5

EXHIBIT P-5A

BUDGET ACTIVITY: PROCUREMENT MARINE CORPS/BUDGET ACTIVITY: 4										PNC PRODUCTION SCHEDULE (4850)										F-1 ITEM NONRECLAMATION: AN/TWQ-23 (V)1 TACTICAL AIR OPERATIONS MODULE (TAOM)										DATE: RCN: 140034																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
PROGRAM QUANTITY										ACC BAL										FISCAL YEAR: 96										CALENDAR YEAR: 96										FISCAL YEAR: 97										CALENDAR YEAR: 97										FISCAL YEAR: 98										CALENDAR YEAR: 98																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
ITEM AND MANUFACTURER										U/M										FY 96										FY 97										FY 98										FY 99										FY 00										FY 01										FY 02										FY 03										FY 04										FY 05										FY 06										FY 07										FY 08										FY 09										FY 10										FY 11										FY 12										FY 13										FY 14										FY 15										FY 16										FY 17										FY 18										FY 19										FY 20										FY 21										FY 22										FY 23										FY 24										FY 25										FY 26										FY 27										FY 28										FY 29										FY 30										FY 31										FY 32										FY 33										FY 34										FY 35										FY 36										FY 37										FY 38										FY 39										FY 40										FY 41										FY 42										FY 43										FY 44										FY 45										FY 46										FY 47										FY 48										FY 49										FY 50										FY 51										FY 52										FY 53										FY 54										FY 55										FY 56										FY 57										FY 58										FY 59										FY 60										FY 61										FY 62										FY 63										FY 64										FY 65										FY 66										FY 67										FY 68										FY 69										FY 70										FY 71										FY 72										FY 73										FY 74										FY 75										FY 76										FY 77										FY 78										FY 79										FY 80										FY 81										FY 82										FY 83										FY 84										FY 85										FY 86										FY 87										FY 88										FY 89										FY 90										FY 91										FY 92										FY 93										FY 94										FY 95										FY 96										FY 97										FY 98										FY 99										FY 00										FY 01										FY 02										FY 03										FY 04										FY 05										FY 06										FY 07										FY 08										FY 09										FY 10										FY 11										FY 12										FY 13										FY 14										FY 15										FY 16										FY 17										FY 18										FY 19										FY 20										FY 21										FY 22										FY 23										FY 24										FY 25										FY 26										FY 27										FY 28										FY 29										FY 30										FY 31										FY 32										FY 33										FY 34										FY 35										FY 36										FY 37										FY 38										FY 39										FY 40										FY 41										FY 42										FY 43										FY 44										FY 45										FY 46										FY 47										FY 48										FY 49										FY 50										FY 51										FY 52										FY 53										FY 54										FY 55										FY 56										FY 57										FY 58										FY 59										FY 60										FY 61										FY 62										FY 63										FY 64										FY 65										FY 66										FY 67										FY 68										FY 69										FY 70										FY 71										FY 72										FY 73										FY 74										FY 75										FY 76										FY 77										FY 78										FY 79										FY 80										FY 81										FY 82										FY 83										FY 84										FY 85										FY 86										FY 87										FY 88										FY 89										FY 90										FY 91										FY 92										FY 93										FY 94										FY 95										FY 96										FY 97										FY 98										FY 99										FY 00										FY 01										FY 02										FY 03										FY 04										FY 05										FY 06										FY 07										FY 08										FY 09										FY 10										FY 11										FY 12										FY 13										FY 14										FY 15										FY 16										FY 17										FY 18										FY 19										FY 20										FY 21										FY 22										FY 23										FY 24										FY 25										FY 26										FY 27										FY 28										FY 29										FY 30										FY 31										FY 32										FY 33										FY 34										FY 35										FY 36										FY 37										FY 38										FY 39										FY 40										FY 41										FY 42										FY 43										FY 44										FY 45										FY 46										FY 47										FY 48										FY 49										FY 50										FY 51										FY 52										FY 53										FY 54										FY 55										FY 56										FY 57										FY 58										FY 59										FY 60										FY 61										FY 62										FY 63										FY 64										FY 65										FY 66									

BUDGET ITEM JUSTIFICATION SHEET

DATE

APPROPRIATION/BUDGET ACTIVITY:

PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY

4

P-1 ITEM NOMENCLATURE:

AIR DEFENSE COMMUNICATIONS PLATFORM

RCN: 149509

QUANTITY	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
	0	0	0	1	1	1	12
COST (IN MILLIONS)	\$ 0.0	\$ 0.0	\$ .001	\$ 0.5	\$ 0.6	\$ 0.6	\$ 7.1

The Air Defense Communications Platform will provide data link and communications interface for air defense units to include SHORAD and HAWK units. Additionally, an interim Tactical Ballistic Missile Defense capability will be provided to HAWK.

FY 97: \$1K to keep the RCN line open.

BLI NR. 464000

P-1 SHOPPING LIST  
ITEM NO. 58  
PAGE NO. 7

EXHIBIT P-40

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P-1 SHOPPING LIST

PAGE NO.

ITEM NO.

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8

BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		Marine Enhancement Program (MEP)								
		RCN: 142596								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
		0	0	0	0	0	0	0		
COST (IN MILLIONS)		\$ 0.0	\$ 3.3	\$ 7.7	\$ 3.3	\$ 11.9	\$ 11.9	\$ 4.9		
<p>The Marine Enhancement Program is a Congressionally initiated program started in FY90 which provides funding for low visibility, low cost items. It focuses on equipment which will benefit the individual Marine by reducing the load, increasing survivability, enhancing safety and improving combat effectiveness. The emphasis of this program is on non-developmental items (NDI) and commercially available items which can be quickly evaluated and fielded. This program is coordinated with the Army's Soldier Enhancement Program and the Special Operations Command.</p> <p>Medium Machine Gun Tripod Lightweight (MMGT). A lightweight replacement for the M123 steel tripod and traversing and elevation (T&amp;E) that have been in use since the days of the .30 caliber machine gun. Designed to lighten the load of the machine gun team by reducing the tripod and T&amp;E mechanism by more than half.</p> <p>This item is "Code B"  Acquisition Objective (AO): 5200  FY97: 3692 = 71% AO  FY98-01: 5200 = 100% AO</p> <p>Heavy Machine Gun Lightweight Tripod (HMGT). A lightweight tripod to replace the M3 HMG tripod currently used by the M2 50 caliber Heavy Machine Gun (HMG) and the MK19 Grenade Machine Gun (GMG). Designed to lighten the load for the individual Marine by decreasing the weight at least 28lbs. Includes improving the machine gun Traverse &amp; Elevation (T&amp;E) mechanism. Will decrease gunner/crew response time and add service life by 20000 to 25000 rounds. The lighter tripod also enhances employment of the M2 and the MK19.</p> <p>This item is "Code B"  Acquisition Objective (AO): 6088 for entire Marine Corps; AO for MEP (infantry only) is 1406  FY97: 704 = 50% AO  FY98-01: 1406 = 100% AO</p> <p>MK93 Dual Mount. Improved mounting system for both the M2 50 caliber Heavy Machine Gun (HMG) and the MK19 Grenade Machine Gun (GMG). Will enhance the capabilities of the HMG platoon by giving them greater flexibility, accuracy, and lethality on the battlefield. Designed to attenuate recoil, improve accuracy, decrease gunner/crew response time, reduce logistical burden, and provide ammunition savings. Replaces the MK 64 cradle currently used to mount the M2 HMG and the MK 19 GMG.</p> <p>This item is "Code A"  Acquisition Objective (AO): 6088 for entire Marine Corps; AO for MEP (infantry only) is 1406  FY96: 1406 = 100% AO</p>										

EXHIBIT P-40

P-1 SHOPPING LIST  
ITEM NO. 59  
PAGE NO. 1

BLI NR. 494000

BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE: Marine Enhancement Program (MEP) RCN: 142596
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		
4		
<p>Designated Marksman Rifle (DMR). Precision, semiautomatic, 7.62mm NATO weapon system (rifle, ammunition, sight mount, and optical device), that will complement the capabilities of the M40A1 Sniper Rifle (same caliber) better than the M16A2. Designed to extend the range capabilities, add flexibility, and enhance survivability of Designated Marksmen of the Fleet Anti-terrorist Security Teams (FAST) of the Security Battalion, military police Special Response Teams (SRT), and the second sniper of the Marine Corps two man Scout Sniper Team.</p> <p>This item is "Code B"</p> <p>Acquisition Objective (AO): 588</p> <p>FY97: 197 = 34% AO</p> <p>FY98-01: 588 = 100% AO</p> <p>Joint Service Combat Shotgun. 12 gauge, semiautomatic, compact, lightweight weapon. It will be configured with low light level rifle-type sights and a surface which will mount current and developmental day and night sighting scopes. Will provide a common weapon for all the Services that will enhance the individual's combat effectiveness for use in the execution of special operations and security missions; substantial improvements in performance over existing shotguns in the area of supply, maintenance, and training support standardization; and increased levels of reliability and shooter confidence.</p> <p>This item is "Code B"</p> <p>Acquisition Objective (AO): 4815</p> <p>FY97: 2557 = 53% AO</p> <p>FY98-01: 4815 = 100% AO</p>		

ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME Marine Enhancement Program (MEP) RCN: 142596		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION To be Determined		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995		FY 1996		FY 1997		QTY	
		UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
Medium Machine Gun Lightweight Tripod	B					794	3692	2931	
Heavy Machine Gun Lightweight Tripod	B					945	704	665	
MK93 Dual Mount	A			2368	1406				
Designated Marksman Rifle (DMR)	B				3330	6647	197	1309	
Joint Service Combat Shotgun	B					1091	2557	2790	
Active Component Reserve Component								(6159) (1536)	
TOTAL COST			0		3330				7695
BLI NR. 494000		P-1 SHOPPING LIST ITEM NO. 59		PAGE NO. 3		EXHIBIT P-5			

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:										
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY										
P-1 ITEM NOMENCLATURE:										
Marine Enhancement Program (MEP)										
RCN: 142596										
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
Medium Machine Gun Lightweight Tripod FY97	TBD	C/FFP	NSWC CRANE	Dec 96	Apr 97	3692	794	Yes	No	N/A
Heavy Machine Gun Lightweight Tripod FY97	TBD	C/FFP	NSWC CRANE	Feb 97	Jun 97	704	945	No	No	N/A
MK93 Dual Mount FY96	TBD	C/FFP	AARDC	May 96	Nov 96	1406	2368	Yes	No	N/A
Designated Marksman Rifle (DMR) FY97	TBD	TBD	SYSKOM	Oct 96	Mar 97	197	6647	Yes	No	N/A
Joint Service Combat Shotgun FY97	TBD	C/FFP	SYSKOM	Oct 96	Apr 97	2557	1091	Yes	No	N/A
REMARKS:										

EXHIBIT P-5A

P-1 SHOPPING LIST  
ITEM NO. 59  
PAGE NO. 4

BLI NR. 494000



"CODE B" ITEM DESCRIPTION		DATE																	
<b>APPROPRIATION/BUDGET ACTIVITY:</b> PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 4		<b>P-1 ITEM NOMENCLATURE:</b> Medium Machine Gun Lightweight Tripod (MMGT) RCN: 142596																	
<b>1. CURRENT DEVELOPMENT AND TEST STATUS</b>																			
a. Developmental Test & Evaluation (DT&E) b. Initial Operational Test & Evaluation (IOT&E) c. Operational Test & Evaluation (OT&E) d. Available Date of Technical Data Package (TDP) Plan/Actual or Performance Specifications	Plan/Actual Plan/Actual Plan/Actual Plan/Actual	<table border="1"> <thead> <tr> <th>CURRENT</th> <th>LAST REPORTED</th> <th>SCHEDULE DATE</th> <th>REASON FOR DELAY</th> </tr> </thead> <tbody> <tr> <td>May 96</td> <td>Jun 95</td> <td></td> <td rowspan="4">Delay due to problems encountered with the material composition and load factors associated with the tripod.</td> </tr> <tr> <td>NA</td> <td>NA</td> <td></td> </tr> <tr> <td>May 96</td> <td>Oct 95</td> <td></td> </tr> <tr> <td>Aug 96</td> <td>Nov 95</td> <td></td> </tr> </tbody> </table>	CURRENT	LAST REPORTED	SCHEDULE DATE	REASON FOR DELAY	May 96	Jun 95		Delay due to problems encountered with the material composition and load factors associated with the tripod.	NA	NA		May 96	Oct 95		Aug 96	Nov 95	
CURRENT	LAST REPORTED	SCHEDULE DATE	REASON FOR DELAY																
May 96	Jun 95		Delay due to problems encountered with the material composition and load factors associated with the tripod.																
NA	NA																		
May 96	Oct 95																		
Aug 96	Nov 95																		
<b>2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:</b> June 96																			
<b>3. EQUIPMENT ITEM(S) TO BE REPLACED:</b> M122 Tripod																			
<b>4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:</b> Weight Reduction of over 50%.																			
<b>5. DEVELOPMENT CONTRACT INFORMATION</b> (RDT&E Funding Profile - \$ in Millions)																			
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THROUGH PY (FY1994)	CY (FY1995)	BY (FY1996)	BEYOND BY													
TBD			\$	\$	\$	\$													
			\$	\$	\$	\$													
			\$	\$	\$	\$													
			\$	\$	\$	\$													
			\$	\$	\$	\$													
TOTAL RDT&E FUNDING			\$	0 \$	0 \$	0 \$													
REMARKS:																			

"CODE B" ITEM DESCRIPTION		DATE				
<b>APPROPRIATION/BUDGET ACTIVITY:</b> PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		<b>P-1 ITEM NOMENCLATURE:</b> Heavy Machine Gun Lightweight Tripod (HMG7)				
<b>1. CURRENT DEVELOPMENT AND TEST STATUS</b>		RCN: 142596				
a. Developmental Test & Evaluation (DT&E) Plan/Actual b. Initial Operational Test & Evaluation (IOT&E) Plan/Actual c. Operational Test & Evaluation (OT&E) Plan/Actual d. Available Date of Technical Data Package (TDP) Plan/Actual or Performance Specifications		CURRENT LAST REPORTED SCHEDULE DATE REASON FOR DELAY Nov 95 Mar 95 Apr 96 May 96				
<b>2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:</b> Jun 96						
<b>3. EQUIPMENT ITEM(S) TO BE REPLACED:</b> M3 Tripod						
<b>4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:</b> Weight reduction of over 50%.						
<b>5. DEVELOPMENT CONTRACT INFORMATION</b> (RDT&E Funding Profile - \$ in Millions)						
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THROUGH PY (FY1994)	CY (FY1995)	BY (FY1996)	BEYOND BY
TBD			\$	\$	\$	\$
			\$	\$	\$	\$
			\$	\$	\$	\$
			\$	\$	\$	\$
			\$	\$	\$	\$
TOTAL RDT&E FUNDING			\$	0 \$	0 \$	0 \$
REMARKS:						
BLI NR. 494000						
P-1 SHOPPING LIST ITEM NO. 59 - 6						
EXHIBIT P-19						

"CODE B" ITEM DESCRIPTION		DATE				
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE: Designated Marksman Rifle (DMR)				
RCN: 142596						
1. CURRENT DEVELOPMENT AND TEST STATUS						
1. Developmental Test & Evaluation (DT&E)	Plan/Actual					
2. Initial Operational Test & Evaluation (IOT&E)	Plan/Actual					
3. Operational Test & Evaluation (OT&E)	Plan/Actual					
4. Available Date of Technical Data Package (TDP) Plan/Actual	Plan/Actual					
or Performance Specifications						
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: Oct 96						
3. EQUIPMENT ITEM(S) TO BE REPLACED: None						
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED: NA						
5. DEVELOPMENT CONTRACT INFORMATION (RDT&E Funding Profile - \$ in Millions)						
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THROUGH FY (FY1994)	CY (FY1995)	BY (FY1996)	BEYOND BY
US Army Combat Systems Test Activity	Aberdeen MD	US Army	\$	\$	\$	\$
			\$	\$	\$	\$
			\$	\$	\$	\$
			\$	\$	\$	\$
			\$	\$	\$	\$
TOTAL RDT&E FUNDING			\$	0	\$	0.15
REMARKS: DMR is COTS/NDI.			\$	0.055	\$	0
BLI NR. 494000			P-1 SHOPPING LIST			
ITEM NO. 59			PAGE NO. 7			
			EXHIBIT P-19			

APPROPRIATION/BUDGET ACTIVITY:		"CODE B" ITEM DESCRIPTION	DATE
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		4	
P-1 ITEM NOMENCLATURE: Joint Combat Service Shotgun RCN: 142596			
1. CURRENT DEVELOPMENT AND TEST STATUS			
a. Developmental Test & Evaluation (DT&E)	Plan/Actual		
b. Initial Operational Test & Evaluation (IOT&E)	Plan/Actual		
c. Operational Test & Evaluation (OT&E)	Plan/Actual		
d. Available Date of Technical Data Package (TDP) Plan/Actual or Performance Specifications	Plan/Actual		
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: Oct 96			
3. EQUIPMENT ITEM(S) TO BE REPLACED: Current service shotgun in the system.			
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED: Substantial improvements in performance over existing shotguns in area of supply, maintenance, and training support standardization while providing increased levels of reliability and shooter confidence.			
5. DEVELOPMENT CONTRACT INFORMATION (RDT&E Funding Profile - \$ in Millions)			
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THROUGH FY (FY1994)
US Army Combat Systems Test Activity	Aberdeen MD	US Army	\$
			\$
			\$
			\$
			\$
			\$
TOTAL RDT&E FUNDING		0 \$	0.195 \$
REMARKS:			
BLI NR. 494000		P-1 SHOPPING LIST	EXHIBIT P-19
		ITEM NO. PAGE NO. 59 - 8	

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: MEP - MEDIUM MACHINE GUN TRIPOD (LIGHTWEIGHT)

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT:

DEPOT MAINTENANCE FLOAT:

TOTAL:

924

152

1076

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE:

II MARINE EXPEDITIONARY FORCE:

III MARINE EXPEDITIONARY FORCE:

SELECTED MARINE CORPS RESERVE:

SUPPORT ESTABLISHMENT:

NORWAY AIR LANDED BRIGADE:

TOTAL:

929

965

581

608

1041

0

4124

APPROVED ACQUISITION OBJECTIVE

5200

59.9

ASSET DYNAMICS		DATE:	
TAMCN/DODIC:		ITEM NAME: Medium Machine Gun Lightweight Tripod (MMGT)	
ACQUISITION OBJECTIVE:		RCN: 142596	
ENDING INVENTORY	FY 1994	FY 1995	FY 1996
30 SEP 1993			
TBD			
5,200			
GAINS:			FY 1997
*FY BUDGET			3692
*OTHER			
TOTAL	0	0	3692
LOSSES:			
*COMBAT USMC			
*COMBAT ALLIES			
*PEACETIME			
*WASHOUT			
*SALES			
*OTHER	0	0	0
TOTAL			
NET CHANGE (+/-)	0	0	3692
ASSET POSITION:			
*STD SERVICEABLE			3692
*STD UNSERVICEABLE			
*SUB SERVICEABLE			
*SUB UNSERVICEABLE			
TOTAL	0	0	3692
\$M. VALUE	\$	\$	\$
			2.9
% A/O ON HAND/FUNDED	0.0 %	0.0 %	71.0 %
COMMENTS:	FY 1996 RECOMMENDED BUY - QUANTITY: 0 VALUE: \$ 0 M FY 1997 RECOMMENDED BUY - QUANTITY: 3692 VALUE: \$ 2.9 M		

BLI NR. 494000

P-1 SHOPPING LIST  
 ITEM NO. 59

PAGE NO. 10

EXHIBIT P-20A

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: HEAVY MACHINE GUN TRIPOD

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 654  
DEPOT MAINTENANCE FLOAT: 0  
TOTAL: 654

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 1350  
II MARINE EXPEDITIONARY FORCE: 1366  
III MARINE EXPEDITIONARY FORCE: 675  
SELECTED MARINE CORPS RESERVE: 690  
SUPPORT ESTABLISHMENT: 1353  
NORWAY AIR LANDED BRIGADE: 0  
TOTAL: 5434

APPROVED ACQUISITION OBJECTIVE

6088

59-11

ASSET DYNAMICS		DATE:																																																																																																																																		
ITEM NAME: Heavy Machine Gun Lightweight Tripod (HMG)		RCN: 142956																																																																																																																																		
TAMCN/DODIC:	E1115	1,406																																																																																																																																		
ACQUISITION OBJECTIVE:																																																																																																																																				
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EXHIBIT P-20A

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APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: MK93 DUAL MOUNT

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 654  
DEPOT MAINTENANCE FLOAT: 0  
TOTAL: 654

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 1350  
II MARINE EXPEDITIONARY FORCE: 1366  
III MARINE EXPEDITIONARY FORCE: 675  
SELECTED MARINE CORPS RESERVE: 690  
SUPPORT ESTABLISHMENT: 1353  
NORWAY AIR LANDED BRIGADE: 0  
TOTAL: 5434

APPROVED ACQUISITION OBJECTIVE

6088

59-13

ASSET DYNAMICS		DATE:																																																																																																																																																																																			
TAMCN/DODIC: E0312		ITEM NAME: MK93 Dual Mount																																																																																																																																																																																			
ACQUISITION OBJECTIVE: 1,406		RCN: 142596																																																																																																																																																																																			
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APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: DESIGNATED MARKSMANSHIP RIFLE

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 27  
DEPOT MAINTENANCE FLOAT: 60  
TOTAL: 87

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 134  
II MARINE EXPEDITIONARY FORCE: 110  
III MARINE EXPEDITIONARY FORCE: 13  
SELECTED MARINE CORPS RESERVE: 88  
SUPPORT ESTABLISHMENT: 156  
NORWAY AIR LANDED BRIDGADE: 0  
TOTAL: 501

APPROVED ACQUISITION OBJECTIVE

588

59-15

ASSET DYNAMICS		ITEM NAME: Designated Marksman Rifle (DMR)	DATE:
		RCN:	
TAMCN/DODIC:	E0311	142596	
ACQUISITION OBJECTIVE:	588		
ENDING INVENTORY			
30 SEP 1993			
GAINS:			
*FY BUDGET			
*OTHER			
TOTAL			
LOSSES:			
*COMBAT USMC			
*COMBAT ALLIES			
*PEACETIME			
*WASHOUT			
*SALES			
*OTHER			
TOTAL			
NET CHANGE (+/-)			
ASSET POSITION:			
*STD SERVICEABLE			
*STD UNSERVICEABLE			
*SUB SERVICEABLE			
*SUB UNSERVICEABLE			
TOTAL			
\$M VALUE			
% A/O ON HAND/FUNDED			
COMMENTS:			
FY 1996 RECOMMENDED BUY - QUANTITY:			
VALUE:			
FY 1997 RECOMMENDED BUY - QUANTITY:			
VALUE:			

APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: JOINT COMBAT SHOTGUN

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: 0  
DEPOT MAINTENANCE FLOAT: 830  
TOTAL: 830

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: 549  
II MARINE EXPEDITIONARY FORCE: 1662  
III MARINE EXPEDITIONARY FORCE: 568  
SELECTED MARINE CORPS RESERVE: 331  
SUPPORT ESTABLISHMENT: 875  
NORWAY AIR LANDED BRIGADE: 0  
TOTAL: 3985

APPROVED ACQUISITION OBJECTIVE

4815

59-17

ASSET DYNAMICS		DATE:	
ITEM NAME: Joint Service Combat Shotgun		RCN: 142596	
TAMCN/DODIC:	E1760	4,815	
ACQUISITION OBJECTIVE:			
<div>ENDING INVENTORY</div> <div>30 SEP 1993</div>			
<div>GAINS:</div> <div>*FY BUDGET</div> <div>*OTHER</div> <div>TOTAL</div>			
<div>LOSSES:</div> <div>*COMBAT USMC</div> <div>*COMBAT ALLIES</div> <div>*PEACETIME</div> <div>*WASHOUT</div> <div>*SALES</div> <div>*OTHER</div> <div>TOTAL</div>			
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BUDGET ACTIVITY, PROCUREMENT MARINE CORPS/BUDGET ACTIVITY: 4 3 DATE: 142566 RCN: 142566

PMC PRODUCTION SCHEDULE (4010) P-1 ITEM NONREPLACEMENT, Marine Enhancement Program (MEP)

ITEM AND MANUFACTURER		U/M	R	V	PROGRAM QUANTITY		ACC BAL		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL 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YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR		CALENDAR YEAR		FISCAL YEAR	
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[illegible]



BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		TEST, CALIBRATION & MAINTENANCE SUPPORT								RCN: 145879
		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
QUANTITY		0	0	0	0	0	0	0	0	
COST (IN MILLIONS)\$		1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
<p>FUNDS ALLOCATED UNDER THIS LINE ARE UTILIZED TO PROCURE SMALL QUANTITIES OF TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT TO SUPPORT ITEMS OF EQUIPMENT AND TO PROCURE CALIBRATION STANDARDS AND GAUGES TO ENSURE THE ACCURACY OF MEASUREMENTS MADE BY THE OPERATING FORCES OF THE MARINE CORPS.</p> <p>ALL ITEMS ARE CODE A.</p>										
BLI NR. 495700		P-1 SHOPPING LIST								EXHIBIT P-40
		ITEM NO. 60								PAGE NO. 1

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME TEST, CALIBRATION, AND MAINTENANCE SUPPORT (RCN 145879)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	UNIT COST	QTY TOTAL COST	FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST
FMF TEST EQUIPMENT	A				VARIOUS 617				
FMF CALIBRATION STANDARDS	A				VARIOUS 491				
DEPOT CALIBRATION STANDARDS	A				VARIOUS 386				
TOTAL COST					1494		0		0
BLI NR. 495700		P-1 SHOPPING LIST ITEM NO. 60 PAGE NO. 2 EXHIBIT P-5							

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:					P-1 ITEM NOMENCLATURE:					
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY					TEST, CALIBRATION & MAINTENANCE SUPPORT					
4					RCN: 145879					
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REV RQRD	IF YES WHEN AVAIL
FMF TEST EQUIPMENT FY95	VARIOUS	C FP	USMC	VARIOUS	VARIOUS	VARIOUS	617,000*	YES	NO	N/A
FMF CAL STANDARDS FY95	VARIOUS	C FP	USMC	VARIOUS	VARIOUS	VARIOUS	491,000*	YES	NO	N/A
DEPOT CAL STANDARDS FY95	VARIOUS	C FP	USMC	VARIOUS	VARIOUS	VARIOUS	386,000*	YES	NO	N/A

REMARKS: \* AMOUNT INDICATED IS TOTAL COST. FUNDS ARE USED TO PROCURE SMALL QUANTITIES OF ELECTRONIC AND PSY/DIMENSIONAL TEST EQUIPMENT SUCH AS FREQUENCY STANDARDS, CALIBRATION WORKSTATIONS, PRECISION MEASUREMENT MACHINES AND FORCE CALIBRATORS. FY95 ALSO REFLECTS INCREASED DEPOT MAINTENANCE RATE CHANGES

BLI NR. 495700

P-1 SHOPPING LIST  
 ITEM NO. 60  
 PAGE NO. 3

EXHIBIT P-5A

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P-1 SHOPPING LIST

ITEM NO. 60 PAGE NO. 4

BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		MODIFICATION KITS (NON-TEL)								
		RCN: 147239								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
		0	0	0	0	0	0	0	0	
COST (IN MILLIONS)		\$ 5.1	\$ 9.1	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	
<p>Modifications programmed and budgeted under this line are for the purpose of correcting equipment deficiencies noted after new items are fielded or to increase operational capabilities of non-telecommunications end items previously fielded.</p> <p>This funding profile includes radar modifications which improve mean time between failure rates and enhance performance characteristics. Also included are TOW Sight modifications required to bring various configurations of the UAS-12 series of sights into a single configuration and to provide countermeasure protection to gunners and equipment. The Direct Air Support Central (DASC) Product Improvement Program (PIP) is a non-developmental effort which will incorporate selected automation and existing hardware from the AN/TSQ-155(V), Improved Direct Air Support Central (IDASC), and the OE-334 Antenna Coupler Group into lightweight, highly mobile shelters. Improved capabilities include automated interfaces to the Digital Communications Terminal (DCT), Advanced Tactical Air Command Central (ATACC), Position Location Reporting System (PLRS), Advanced Field Artillery Tactical Data Systems (AFATDS), and Tactical Combat Operations (TCO).</p>										
MOD		INSTALLATION AGENT		INSTALLATION						
		-----		-----						
AN/TPS-59 RADAR MOD (94)	FIELD			BEGIN FEB 95/END JUN 95						
AN/TPS-59 RADAR MOD (95)	FIELD			BEGIN MAY 95/END AUG 95						
AN/TPS-63 SSTX MOD (96)	CONTRACTOR			BEGIN MAY 96/END MAY 97						
TOW NIGHT SIGHT MOD (96)	DEPOT			BEGIN OCT 95/END DEC 96						
IDASC PIP	FIELD			BEGIN OCT 93/END SEP 97						
IDASC PIP	FIELD			BEGIN OCT 95/END SEP 97						
<p>FY 97-01 PROCUREMENT FOR AN/TPS-59 AND IDASC PIP IN BLI 463600.</p> <p>FY 97-01 PROCUREMENT FOR TOW NIGHT SIGHT IN BLI 463800.</p>										

BLI NR. 496900

P-1 SHOPPING LIST  
ITEM NO. 61  
PAGE NO. 1

EXHIBIT P-40

BUDGET ITEM JUSTIFICATION SHEET		DATE																		
APPROPRIATION/BUDGET ACTIVITY:	P-1 ITEM NOMENCLATURE:																			
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	MODIFICATION KITS (NON-TEL)	RCN: 147239																		
<p>MODELS OF SYSTEMS AFFECTED: MODIFICATION KITS (NON-TEL)</p> <table> <thead> <tr> <th>MODIFICATION TITLE</th> <th>(\$ IN MILLIONS) FY 1995</th> <th>FY 1996</th> </tr> </thead> <tbody> <tr> <td>AN/TPS-59 ECPs</td> <td>1.084</td> <td></td> </tr> <tr> <td>AN/TPS-63 SSTX MOD</td> <td>4.000</td> <td></td> </tr> <tr> <td>TOW SIGHT MOD</td> <td></td> <td>0.084</td> </tr> <tr> <td>DASC</td> <td></td> <td>9.058</td> </tr> <tr> <td>TOTAL</td> <td>5.084</td> <td>9.142</td> </tr> </tbody> </table>			MODIFICATION TITLE	(\$ IN MILLIONS) FY 1995	FY 1996	AN/TPS-59 ECPs	1.084		AN/TPS-63 SSTX MOD	4.000		TOW SIGHT MOD		0.084	DASC		9.058	TOTAL	5.084	9.142
MODIFICATION TITLE	(\$ IN MILLIONS) FY 1995	FY 1996																		
AN/TPS-59 ECPs	1.084																			
AN/TPS-63 SSTX MOD	4.000																			
TOW SIGHT MOD		0.084																		
DASC		9.058																		
TOTAL	5.084	9.142																		
BLI NR. 496900	P-1 SHOPPING LIST ITEM NO. 61 - PAGE NO. 2																			
EXHIBIT P-40																				

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME MODIFICATION KITS (NON-TEL) RCN: 147239		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995		FY 1996		FY 1997			
		UNIT COST	QTY TOTAL COST	UNIT COST	QTY TOTAL COST	UNIT COST	QTY TOTAL COST		
AN/TPS-59 ECPs	B	90,333	12 1084						
Identification Friend or Foe (IFF)			1084						
SUBTOTAL AN/TPS-59									
TOW SIGHT MOD PROGRAM									
Installation Costs							84		
SUBTOTAL TOW SIGHT							84		
AN/TPS-63 ECP	A	4,000,000	1 4000						
SUBTOTAL AN/TPS-63			4000						
BILI NR. 496900		P-1 SHOPPING LIST		ITEM NO. 61		PAGE NO. 3		EXHIBIT P-5	

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME MODIFICATION KITS (NONTTEL) RCN: 147239		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	FY 1995 QTY TOTAL COST	FY 1996 UNIT COST	FY 1996 QTY TOTAL COST	FY 1997 UNIT COST	FY 1997 QTY TOTAL COST		
DASC (OPS SHELTER) DOWNSIZING PIP				219,400	12	2633			
OE-334 (COMM SHELTER) DOWNSIZING PIP				189,749	4	759			
DASC AUTOMATION				136,719	20	2734			
DASC VOICE COMMUNICATIONS SYSTEM				82,188	29	2383			
SUPPORT COSTS: ILS (Provisioning, FMEA, TMs) Hardware Engineering Drawings Tests Tech Data Factory Training Software Engineering Support						111 90 38 50 106 75 79			
SUBTOTAL DASC					9058				
Active Component Reserve Component Initial Spares						(7695) (1447) (309)			
TOTAL COST					5084	9142			0
BLI NR. 496900		P-1 SHOPPING LIST ITEM NO. 61		PAGE NO. 4		EXHIBIT P-5			



PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:				P-1 ITEM NOMENCLATURE:						
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY				MODIFICATION KITS (NON-TEL)						
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPEC AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
AN/TPS-59 IFF ECF/95	MM CORP SYRACUSE, NY	FFP	SYSCOM	JAN 95	MAY 95	12	90,333	YES	NO	
AN/TPS-63 ECF/FY 95	WESTINGHOUSE ELEC	FFP	SYSCOM	MAR 96	MAR 97	1	4,000,000	NO	NO	
DASC (DOWNSIZING PIP) FY 96	NSWC CRANE IN	C/FFPO	NSWC CRANE	JAN 96	MAY 96	12	219,400	YES	NO	N/A
OE-334 (COMM) FY 96	NSWC CRANE IN	C/FFPO	NSWC CRANE	MAR 96	AUG 96	4	189,749	YES	NO	N/A
DASC AUTOMATION FY 96	NSWC CRANE IN	C/FFPO	SYSCOM	JUN 96	SEP 96	20	136,719	YES	NO	N/A
DASC VOICE COMM SYS FY 96	EASTERN COMPUTERS LORTON, VA	FFP	SYSCOM	JUN 96	SEP 96	29	82,188	YES	NO	N/A
REMARKS: DASC: Unit cost includes downsized shelters, rapid assembly tents, cables, computers, and integration costs.										

BLI NR. 496900	P-1 SHOPPING LIST		EXHIBIT P-5A
	ITEM NO. 61	PAGE NO. 5	

"CODE B" ITEM DESCRIPTION		DATE				
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY						
P-1 ITEM NOMENCLATURE: MODIFICATION KITS (NON-TEL) AN/TPS-59 RADAR SYSTEM RCN: 147239						
1. CURRENT DEVELOPMENT AND TEST STATUS						
		SCHEDULE DATE				
	CURRENT	LAST REPORTED				
		REASON FOR DELAY				
a. Test Readiness Review	Feb 95	Feb 95				
b. Formal Qualification Test	Mar 95	Mar 95				
c. Physical/Function Configuration Audit	Jan 95	Jan 95				
d. Develop Test/Operational Test	Dec 95	Dec 95				
e. Milestone III	Sep 96	Sep 96				
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: Sep 96						
3. EQUIPMENT ITEM(S) TO BE REPLACED:						
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:						
INCREASED RECEIVER SENSITIVITY IMPROVED RELIABILITY REDUCED TRANSPORTATION REQUIREMENTS						
5. DEVELOPMENT CONTRACT INFORMATION (RDT&E Funding Profile - \$ in Millions)						
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THROUGH FY (FY1994)	CY (FY1995)	BY (FY1996)	BEYOND BY
MARTIN MARIETTA	SYRACUSE, NY		\$ 10.4	\$	\$	3.6
PROGRAM SUPPORT	QUANTICO, VA		\$	\$ 0.1	\$ 0.5	0.5
			\$	\$	\$	
			\$	\$	\$	
			\$	\$	\$	
TOTAL RDT&E FUNDING			\$ 10.4	\$ 0.1	\$ 0.5	4.1
REMARKS: R&D EFFORT FUNDED PRIMARILY BY BALLISTIC MISSILE DEFENSE OFFICE.						
THE IFF (IDENTIFICATION FRIEND OR FOE) IS A COMPONENT OF THE TPS-59 MAJOR SYSTEM MODIFICATION.						
BLI NR. 496900		P-1 SHOPPING LIST		EXHIBIT P-19		
ITEM NO. 61		PAGE NO. 6				

7.19

EXHIBIT P-3A INDIVIDUAL MODIFICATION

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTIFICATION: This modification is to correct deficiencies identified by the fleet and procure minor improvements to the AN/TPS-59 radar set.

DEVELOPMENTAL STATUS/  
MAJOR DEVELOPMENT MILESTONES:

The ECPs have been submitted and approved. TMD upgrade has CDR scheduled for 3rd Qtr FY94, DT/OT for 1st Qtr FY 96, and Milestone III Decision for 4th Qtr FY 96

FINANCIAL PLAN: (\$ in Millions)

	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TOTAL
	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$
<b>PROCUREMENT</b>							
Kit Quantity	12						
Installation Kits	1.084						1.084
Install. Kits Nonrecurring Equipment							0.000
Equipment Nonrecurring							0.000
Engineering Change Orders							0.000
Data							0.000
Training Support							0.000
Support Equipment							0.000
Other							0.000
Interim Contractor Support							0.000

# INSTALLATION OF HARDWARE

(FY 1995) Eqpt ( Kits)  
 (FY 1996) Eqpt ( Kits)  
 (FY 1997) Eqpt ( Kits)  
 (FY 1998) Eqpt ( Kits)  
 (FY 1999) Eqpt ( Kits)  
 (FY 2000) Eqpt ( Kits)  
 (TO COMP) Eqpt ( Kits)

FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$

0	0.000	0	0.000	0	0.000	0	0.000
1.084	0.000	0.000	0.000	0.000	0.000	0	1.084

TOTAL INSTALLATION COST

TOTAL PROCUREMENT COST

METHOD OF IMPLEMENTATION: \_\_\_\_\_ ADMIN LEAD-TIME: \_\_\_\_\_ MONTHS PRODUCTION LEAD-TIME: \_\_\_\_\_ MONTHS

CONTRACT DATES:

FY 1996 \_\_\_\_\_ FY 1997 \_\_\_\_\_

DELIVERY DATES:

FY 1996 \_\_\_\_\_ FY 1997 \_\_\_\_\_

INSTALLING SCHEDULE:

FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TOTAL
1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4

INPUT

OUTPUT

INDIVIDUAL MODIFICATION

MODIFICATION TITLE:

MODIFICATION KITS (NON-TEL)

MODELS OF SYSTEMS AFFECTED:

AN/TPS-63 RADAR SYSTEM ECP

DESCRIPTION/JUSTIFICATION:

THIS MODIFICATION IS TO CORRECT DEFICIENCIES IDENTIFIED BY THE FLEET AND PROCURE MINOR IMPROVEMENTS TO THE AN/TPS-63 RADAR SET.

DEVELOPMENTAL STATUS/  
MAJOR DEVELOPMENT MILESTONES:

THE ECP'S HAVE BEEN SUBMITTED AND APPROVED.

FINANCIAL PLAN: (\$ in Millions)

FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
QTY	\$	QTY	\$	QTY	\$	QTY	\$
1	4.000						

PROCUREMENT

Kit Quantity  
Installation Kits  
Install. Kits Nonrecurring  
Equipment  
Equipment Nonrecurring  
Engineering Change Orders  
Data  
Training Support  
Support Equipment  
Other  
Interim Contractor Support

1 4.000

1

0.000  
0.000  
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0.000  
0.000  
0.000

EXHIBIT P-3A INDIVIDUAL MODIFICATION

61-9

# INSTALLATION OF HARDWARE

(FY 1995) Eqpt ( Kits)  
 (FY 1996) Eqpt ( Kits)  
 (FY 1997) Eqpt ( Kits)  
 (FY 1998) Eqpt ( Kits)  
 (FY 1999) Eqpt ( Kits)  
 (FY 2000) Eqpt ( Kits)  
 (TO COMP) Eqpt ( Kits)

TOTAL INSTALLATION COST

TOTAL PROCUREMENT COST

METHOD OF IMPLEMENTATION: \_\_\_\_\_

CONTRACT DATES:

DELIVERY DATES:

INSTALLING SCHEDULE:

INPUT

OUTPUT

FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$	QTY \$

0	0.000	0	0.000	0	0.000	0	0.000
4.000	0.000	0.000	0.000	0.000	0.000	0.000	4.000

ADMIN LEAD-TIME: \_\_\_\_\_ MONTHS

FY 1997 \_\_\_\_\_

FY 1997 \_\_\_\_\_

FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TOTAL
1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4

EXHIBIT P-3A INDIVIDUAL MODIFICATION

6110

# INDIVIDUAL MODIFICATION

MODIFICATION TITLE: DIRECT AIR SUPPORT CENTRAL (DASC) PRODUCT IMPROVEMENT PROGRAM (PIP)

MODELS OF SYSTEMS AFFECTED: AN/TSQ-155V IMPROVED DASC (IDASC) OE-334 ANTENNA COUPLER GROUP

DESCRIPTION/JUSTIFICATION: Equipment procured under this effort will be modular and allow the system to be task organized and operated in the downsized AN/TSQ-155(V) and OE-334 Antenna Coupler Group shelters or external to the DASC operations shelters. Improved capabilities include automated interfaces to the DCT, ATACC, PLRS, AFATDS, and TCO.

DEVELOPMENTAL STATUS/  
MAJOR DEVELOPMENT MILESTONES: Prototype hardware and software will undergo analysis and modification at Marine Corps Tactical Systems Support Activity and Naval Surface Warfare Center, Crane, Indiana.

FINANCIAL PLAN: (\$ in Millions)

FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY
\$	\$	\$	\$	\$	\$	\$	\$

PROCUREMENT  
Kit Quantity  
Installation Kits  
Install. Kits Nonrecurring  
Equipment  
Equipment Nonrecurring  
Engineering Change Orders  
Data  
Training Support  
Support Equipment  
Other  
Interim Contractor Support

65

65

0.000  
0.000  
0.000  
8.509  
0.000  
0.106  
0.075  
0.000  
0.368  
0.000

8.509

0.106

0.075

0.368

EXHIBIT P-3A INDIVIDUAL MODIFICATION

61-11

# INSTALLATION OF HARDWARE

	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TO COMP	TOTAL
	QTY	\$	QTY	\$	QTY	\$	QTY	\$
(FY 1995) Eqpt ( Kits)								0 0.000
(FY 1996) Eqpt ( Kits)								0 0.000
(FY 1997) Eqpt ( Kits)								0 0.000
(FY 1998) Eqpt ( Kits)								0 0.000
(FY 1999) Eqpt ( Kits)								0 0.000
(FY 2000) Eqpt ( Kits)								0 0.000
(TO COMP) Eqpt ( Kits)								0 0.000
TOTAL INSTALLATION COST	0	0.000	0	0.000	0	0.000	0	0.000
TOTAL PROCUREMENT COST	0.000	9.058	0.000	0.000	0.000	0.000	0	9.058

METHOD OF IMPLEMENTATION: Field Install ADMIN LEAD-TIME: 3 MONTHS PRODUCTION LEAD-TIME: 4 MONTHS

CONTRACT DATES:

FY 1996 JAN 96

FY 1997

DELIVERY DATES:

FY 1996 MAY 96

FY 1997

INSTALLING SCHEDULE:

FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	TOTAL
1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4

INPUT

OUTPUT

EXHIBIT P-3A INDIVIDUAL MODIFICATION

61-12



BUDGET ITEM JUSTIFICATION SHEET										DATE
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:								
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		ITEMS LESS THAN \$2 MILLION (NON-TEL)								
		RCN: VARIOUS								
QUANTITY		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
		0	0	0	0	0	0	0	0	
COST (IN MILLIONS)		\$ 0.0	\$ 3.4	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	
<p>THIS IS A ROLL UP LINE WHICH CONTAINS ITEMS FOR PROCUREMENT LESS THAN \$2 MILLION EACH. THE ITEMS INCLUDED IN THIS LINE ARE: ELECTRONIC TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT (TWDE) REPAIR FACILITY AND CALIBRATION AND TRANSFER STANDARDS. THESE ITEMS ARE REQUIRED FOR THE SUPPORT OF GENERAL PURPOSE ELECTRONIC TEST EQUIPMENT (GPETE), SPECIAL PURPOSE TEST EQUIPMENT (SPTE), GENERAL PURPOSE MECHANICAL TEST EQUIPMENT (GPMTE), AND INFANTRY WEAPONS GAUGES USED TO MAINTAIN MARINE CORPS WEAPONS SYSTEMS. GLOBAL POSITIONING INTERFACE UNITS (GPSIU) THAT ALLOW THE POSITION LOCATION REPORTING SYSTEM (PLRS) REFERENCE UNITS TO INTERFACE WITH A GPS RECEIVER, GREATLY INCREASING THE MOBILITY OF THE PLRS NETWORK.</p> <p>FY 97-01 PROCUREMENT FOR ELECTRONIC TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT REPAIR FACILITY AND TEST, CALIBRATION AND MAINTENANCE SUPPORT LINES ARE IN BLI 463900.</p> <p>FY 97-01 PROCUREMENT FOR AIR COMMUNICATIONS PLATFORM IS IN BLI 464000.</p> <p>FY 94/95/99 PROCUREMENT FOR POSITION LOCATION REPORTING SYSTEM (PLRS) IS IN BLI 458800.</p>										

BLI NR. 498400

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EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		B. WEAPON MODEL/SERIES/POPULAR NAME ITEMS LESS THAN \$2 MILLION (NON-TEL)		C. MANUFACTURER NAME PLANT CITY/STATE LOCATION		D. DATE	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	FY 1995 UNIT COST	FY 1995 QTY TOTAL COST	FY 1996 UNIT COST	FY 1996 QTY TOTAL COST	FY 1997 UNIT COST	FY 1997 QTY TOTAL COST		
ELECTRONIC TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT REPAIR FACILITY (RCN 140247)	A				VARIOUS 509				
TEST, CALIBRATION, AND MAINTENANCE SUPPORT (RCN 145879)	A				VARIOUS 940				
GPS INTERFACE UNIT (RCN 140014)	B			4,511	314 1416 454 57 29				
ILS PROGRAM MGMT SUPPORT TRAVEL									
SUBTOTAL PLRS GPSIU					1956				
TOTAL COST							3405		0
BLI NR. 498400		P-1 SHOPPING LIST		ITEM NO. 62		PAGE NO. 2		EXHIBIT P-5	

PROCUREMENT HISTORY & PLANNING										DATE:
APPROPRIATION/BUDGET ACTIVITY:					P-1 ITEM NOMENCLATURE:					
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY					ITEMS LESS THAN \$2 MILLION (NON-TEL)					
4					RCN: VARIOUS					
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV RQD	IF YES WHEN AVAIL
ELECTRONIC TMDE REPAIR FACILITY										
FY96	VARIOUS	C FP	SYSCOM	VARIOUS	VARIOUS	VARIOUS	509,000*	YES	NO	N/A
TEST, CALIBRATION, AND MAINTENANCE SUPPORT										
FY96	VARIOUS	C FP	SYSCOM	VARIOUS	VARIOUS	VARIOUS	940,000*	YES	NO	N/A
PLRS GPS INTERFACE UNIT										
FY 96	UNKNOWN	C/FFP	SYSCOM	MAR 96	MAR 97	314	4,511	YES	NO	N/A
REMARKS: * AMOUNT INDICATED IS TOTAL COST. FUNDS ARE USED TO PROCURE SMALL QTY'S OF ELECTRONIC PSY/DIMENSIONAL TEST EQUIPMENT SUCH AS FREQUENCY STANDARDS, CALIBRATION WORKSTATIONS, PRECISION MEASUREMENT MACHINES AND FORCE CALIBRATORS.										

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EXHIBIT P-5A

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P-1 SHOPPING LIST  
ITEM NO. 62 PAGE NO. 4